ORDER NO. BSD9803031C8

Service Manual

Multiport Hub

AW-HB505

SPECIFICATIONS

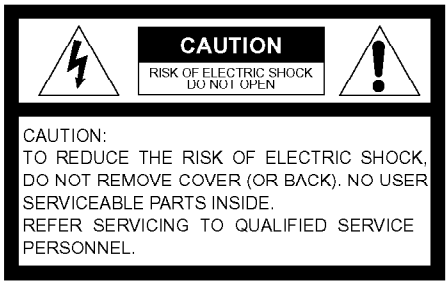
Source Voltage :	12 V DC (4-pin cannon connector)
Power Consumption :	12 V, 2A
Video Input :	1.0 V[p-p] composite/75 Ω x 5 (BNC connector)
Genlock Input :	Black burst/75 Ω (BNC connector)
Camera Control Input :	Control signal (BNC connector)
Pan/tilt Control Input :	Control signal (RJ-45 8P modular jack)
Video Output :	1.0 V[p-p] composite/75 Ω x 5 (BNC connector)
S-video Output :	Y: 0.7 V[p-p] (75 Ω) C: 0.3 V[p-p] burst level chrominance/75 Ω x 5 (S-VIDEO connector)
Preview Video Output :	1.0 V[p-p] composite/75 Ω (BNC connector)
Genlock Output :	75 Ω x 5 (BNC connector)
Camera Control Output :	Control signal x 5 (BNC connector)
Pan/tilt Control Output :	Control signal x 5 (RJ-45 8P modular jack)
Switches :	Power ON/OFF Switch
Controls :	CABLE COMP Y Control, CABLE COMP C Control
Pan/tilt Head Connecting Cable :	x 4 (Coaxial Cable 3 pcs., 10BASE-T straight cable 1 pc.) (In case of using G/L function)
Control Panel Connecting Cable :	Pan/tilt head x 4 (Coaxial Cable 3 pcs., 10BASE-T straight cable 1 pc.) (In case of using G/L function)
Maximum cable length :	Control panel connecting cable :10 m (In case of using coaxial cables 5C-2V and 10BASE-T cable UTP category-5) Pan/tilt head connecting cable :500 m (In case of using coaxial cables 5C-2V and 10BASE-T cable UTP category-5)

Panasonic

©1998 Matsushita Communication Industrial Co., Ltd. All rights reserved. Unauthorized copying and distribution is a violation of law.

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION:
TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This symbol warns the user that uninsulated voltage within the unit may have sufficient magnitude to cause electric shock. Therefore, it is dangerous to make any kind of contact with any inside part of this unit.

This symbol alerts the user that impotant literature concerning the operation and maintenance of this has been included. Therefore, it should be read carefully in order to avoid any problems.

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are indicated by the "⚠" mark on the schematic diagram and the replacement parts list. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire, or other hazards.
Do not modify the original design without permission of manufacture.

Operating temperature :	–10°C to +45°C (14°F to +113°F)
Dimensions :	420 (W) x 88 (H) x 250 (D) mm [16-9/16" (W) x 3-7/16" (H) x9-13/16" (D)]
Weight :	4 kg (8.8 lbs.)
Finish :	Cover: AV Ivory vinyl chloride steel
	Panel: AV Ivory painting

Weight and dimensions indicated are approximate.
Specifications are subject to change without notice.

ACCESSORIES

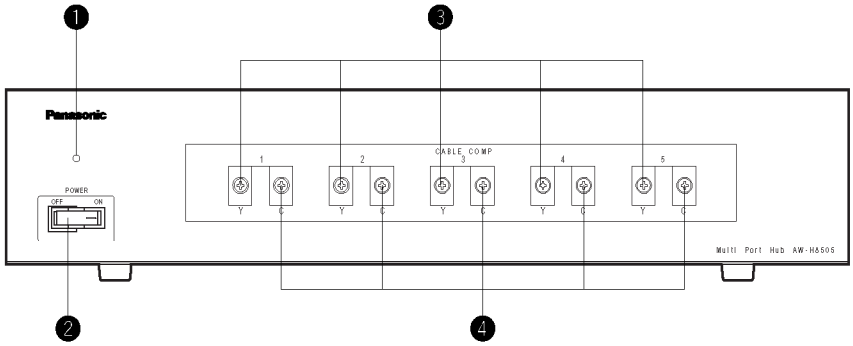
Rack mounting part..... 2
Mounting screws 4

CONTENTS

Major Operating Controls and Their Functions 1
Wiring Diagram 10
Block Diagram 11
Schematic Diagram
Front Board 12
Main Board 13
Rear Board 15
Conductor View
Front Board 12
Main Board 14
Rear Board 15
Exploded View 16
Replacement Parts List 17

MAJOR OPERATING CONTROLS AND THEIR FUNCTIONS

■ FRONT PANEL



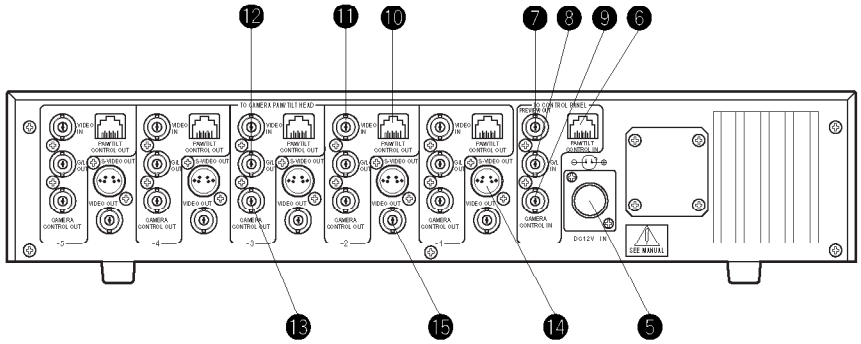
❶ **Power Indicator [POWER]**
Lights red when POWER ON/OFF Switch ❷ is in the ON position, and goes out when the same switch is set to the OFF position.

❷ **Power ON/OFF Switch [POWER ON/OFF]**
The camera and pan/tilt head are switched on when this switch is set to the ON position. (The POWER indicator lights.) The camera and pan/tilt head are partially switched off when this switch is set to the OFF position.
Note: This switch must be set to the ON position in advance in controlling the cameras and pan/tilt heads from the Multi-Hybrid Control Panel.

❸ **Cable Compensation Luminance Control [CABLE COMP Y]**
Used to adjust the Y (luminance) signal level of video output signals as appropriate to the length of the cable between the pan/tilt head and the Multiport Hub. First, select a camera with the Control Switch on the Multi-Hybrid Control Panel, and set the Camera Control Switch to the ON position. Set the MODE Switch on the Multi-Hybrid Control Panel to BAR, then output colour bar signals from the camera, and connect a waveform monitor or vectorscope, for example, to the video output. If the cable between the pan/tilt head and the Multiport Hub is longer than 300 meters, set the Cable Compensation Switch on the pan/tilt head to the ON position in advance. (For details, refer to INSTALLATION OF PAN/TILT HEAD at page 8 or the Operating Instructions for the Pan/tilt Head.) First, adjust the Y (luminance) signal level with one of [1] to [5] CABLE COMP Y Controls ❸ that corresponds to the selected camera, then adjust the C (chrominance) signal level with CABLE COMP C Control ❹. Repeat these steps to adjust the video output of the Multiport Hub to the camera output level. After the adjustment, set the Camera Control Switch on the Multi-Hybrid Control Panel back to the OFF position.
Note: Turning this control changes not only the Y signal level but also the entire video level.

❹ **Cable Compensation Chrominance Control [CABLE COMP C]**
Used to adjust the C (chrominance) signal level of video output signals as appropriate to the length of the cable between the pan/tilt head and the Multiport Hub. First, select a camera with the Control Switch on the Multi-Hybrid Control Panel, and set the Camera Control Switch to the ON position. Set the MODE Switch on the Multi-Hybrid Control Panel to [BAR], then output colour bar signals from the camera, and connect a waveform monitor or vectorscope, for example, to the video output. If the cable between the pan/tilt head and the Multiport Hub is longer than 300 meters, set the Cable Compensation Switch on the pan/tilt head to the ON position in advance. (For details, INSTALLATION OF PAN/TILT HEAD at page 8 or the Operating Instructions for the Pan/tilt Head.) First, adjust the Y (luminance) signal level with one of [1] to [5] CABLE COMP Y Controls ❸ that corresponds to the selected camera, then adjust the C (chrominance) signal level with CABLE COMP C Control ❹. Repeat these steps to adjust the video output of the Multiport Hub to the camera output level. After the adjustment, set the Camera Control Switch on the Multi-Hybrid Control Panel back to the OFF position.

■ REAR PANEL



❺ 12V DC Input Connector [DC 12V IN] (4-pin Cannon Connector)
Connect the AC Adapter AW-PS505 (optional accessory).

❻ Pan/tilt Control Input Connector [TO CONTROL PANEL, PAN/TILT HEAD, CONTROL IN] (RJ-45 8-pin Modular Jack)
Connect it to Pan/tilt Control Output Connector [P/T CONTROL OUT] on the multi hybrid control panel with a 10BASE-T straight cable (UTP category 5 or equivalent), which may be extended up to 10 meters.

❼ Preview Video Output Connector [TO CONTROL PANEL, PREVIEW OUT] (BNC Connector)
Connect it to Preview Video Input Connector [PREVIEW IN] on the Multi-Hybrid Control Panel with a coaxial cable (5C-2V or equivalent). The maximum allowable cable length is 10 meters.

❽ Genlock Input Connector [TO CONTROL PANEL, G/L IN] (BNC Connector)
Connect it to the G/L Output Connector [G/L OUT] on the multi hybrid control panel with a coaxial cable (5C-2V or equivalent) in operating the camera in external sync mode. The cable can be extended up to 10 meters.

❾ Camera Control Input Connector [TO CONTROL PANEL, CAMERA CONTROL IN]
Connect it to Camera Control Input Connector [CAMERA CONTROL OUT] on the multi hybrid control panel with a coaxial straight cable (5C-2V or equivalent), which may be extended up to 10 meters.

❿ Pan/tilt Control Output Connector [TO CAMERA PAN/TILT HEAD, PAN/TILT CONTROL OUT] (RJ-45 8-pin Modular Jack)
Connect one of [1] to [5] Pan/tilt Control Output Connectors to Pan/tilt Control Input Connector [P/T CONTROL IN] on the corresponding camera and pan/tilt head with a 10BASE-T straight cable (UTP category 5 or equivalent). The maximum allowable cable length is 500 meters.

⓫ Video Input Connector [TO CAMERA PAN/TILT HEAD, VIDEO IN] (BNC Connector)
Connect one of [1] to [5] Video Input Connectors to Video Output Connector [VIDEO OUT] on the corresponding camera and pan/tilt head with a coaxial cable (5C-2V or equivalent). The maximum allowable cable length is 500 meters.

⓬ Genlock Output Connector [TO CAMERA PAN/TILT HEAD, G/L OUT] (BNC Connector)
Connect one of [1] to [5] HEAD G/L OUT Connectors to Genlock Signal Input Connector [G/L IN] on the corresponding camera and pan/tilt head with a coaxial cable (5C-2V or equivalent). The maximum allowable cable length is 500 meters.

⓭ Camera Control Output Connector [TO CAMERA PAN/TILT HEAD, CAMERA CONTROL OUT]
Connect one of [1] to [5] Camera Control Output Connectors to Camera Control Signal Input Connector [CAMERA CONTROL IN] on the corresponding camera and pan/tilt head with a coaxial cable (5C-2V or equivalent). The maximum allowable cable length is 500 meters.

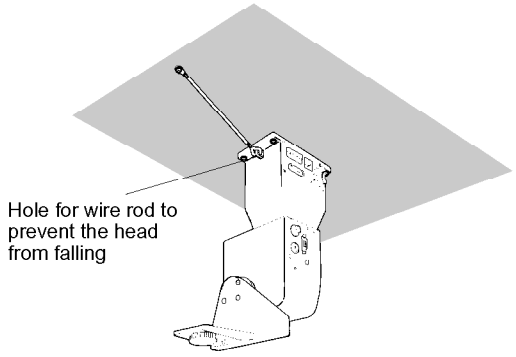
⓮ S-Video Output Connector [S-VIDEO OUT] (4-pin S-Connector)
The luminance (Y) and chrominance (C) signals of the corresponding camera are output from one of [1] to [5] S-Video Output Connectors. Connect it to a monitor or an S-VHS VTR for S-video input.

⓯ Video Output Connector [VIDEO OUT] (BNC Connector)
The video signals of the corresponding camera adjusted by the cable compensation circuit and CABLE COMP Y and C Controls ❸ and ❹ in the corresponding pan/tilt head are output from one of [1] to [5] Video Output Connectors. Connect a monitor, special effect generator (SEG), or VTR, for example, to it with a coaxial cable for video input.

INSTALLATION OF PAN/TILT HEAD

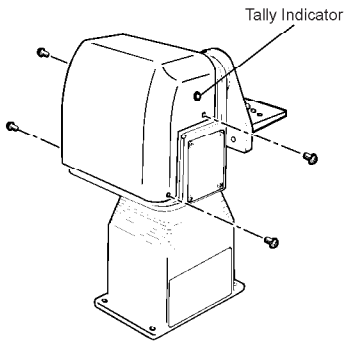
- Install the pan/tilt head after carefully reading the Operating Instructions for Pan/tilt Head.
- Have four hex bolts (M6 x 4) ready for mounting the pan/title head. Select bolts of a length appropriate to the material and structure of the mounting base and the overall weight applied to it. Fasten the bolts securely with plain washers, spring washers, and hex nuts. If the bolts are not securely tightened, the pan/tilt head might fall to cause injuries or accidents. In case of suspending the pan/tilt head, locally purchase a wire rod strong enough to hold the pan/tilt head, camera, and lenses, pass it through the wire hole opened in a firm board, such as of the ceiling, for example, and fasten it securely.
- The switches on the pan/tilt head have been preset before shipment from the factory on the assumption that the pan/tilt head would be suspended from the ceiling. If the pan/tilt head is mounted on a board, for example, be sure to shift the mounting direction switches on the pan/tilt head. Unless this is done, pan/tilt directions will be reversed and pan/head operation limiter data cannot be properly stored in the memory. For details on shifting these switches, refer to the Operating Instructions for Pan/tilt Head.

Have a strong enough wire rod head and fasten it securely to a firm board, such as of the ceiling.

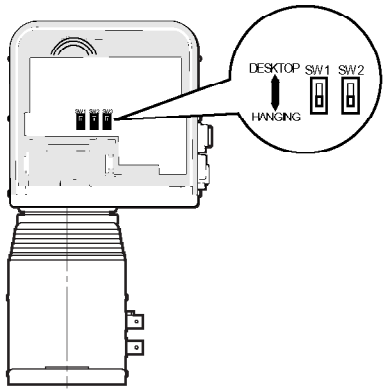


● Changing Switch Settings on Pan/tilt Head

① Remove the cover from the pan/tilt head.
* Be careful of the Tally Indicator wire.



② Shift the mounting direction switches (SW1, SW2) on the pan/tilt head depending on whether the head is suspended from the ceiling or mounted on the floor. They are originally set for suspended installation.
③ Place the cover back on the pan/tilt head.
* Be sure not to trap the wires.

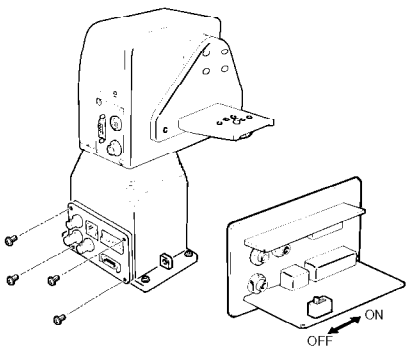


- If the pan/tilt head is connected to the control panel with a cable longer than 300 meters, set the cable compensation switch on the pan/tilt head to the ON position in advance. If the distance between the pan/tilt head and the control panel is shorter than 300 meters, keep the switch in the original position (OFF). For details on shifting the switch, refer to the figure below or the Operating Instructions for Pan/tilt Head.

● Shifting Cable Compensation Switch on Pan/tilt Head

If the distance from the control panel to the pan/tilt head is longer than 300 meters, set the cable compensation switch to the ON position by observing the following procedure.

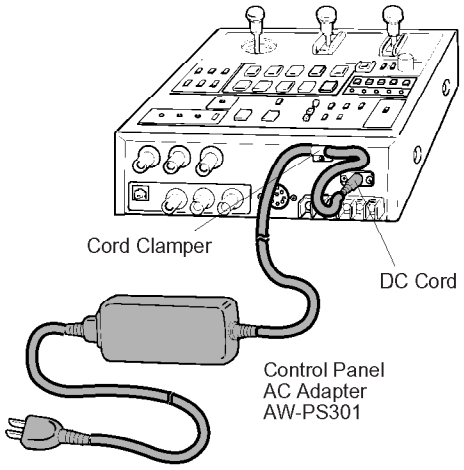
① Remove the controller connection panel from the pan/tilt head.
* Be careful of the wires.
② Shift the cable compensation switch on the inner side of the controller connection panel of the pan/tilt head to the ON position.
③ Place the controller connection panel back on the pan/tilt head.



CONNECTION

- Before making any connection, switch off all the components of the system.

- Use the Control Panel AC Adapter AW-PS301 (optional), Multiport Hub AC Adapter AW-PS505 (optional) and Pan/tilt Head AC Adapter AW-PS300 (optional).



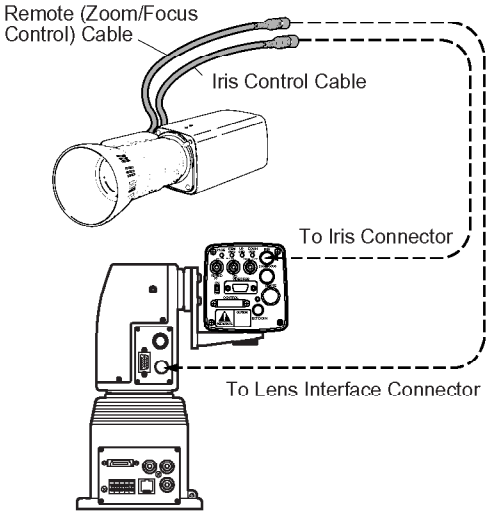
- Use the Pan/tilt Head AW-PH300 and the Colour Video Camera WV-E550 or AW-E560. (The Colour Video Camera WV-E550 cannot used.) To connect the pan/tilt head to the camera, the Camera Cable AW-CA20T15 (optional) is necessary.

- Locally purchase a DC cable with a nominal cross section of 1.25 mm^2 or larger that meets the UL specifications, and connect the Pan/tilt Head AW-PH300 to the Pan/tilt Head AC Adapter AW-PS300 with that cable. The maximum distance between the pan/tilt head and pan/tilt head AC adapter is 30 m.

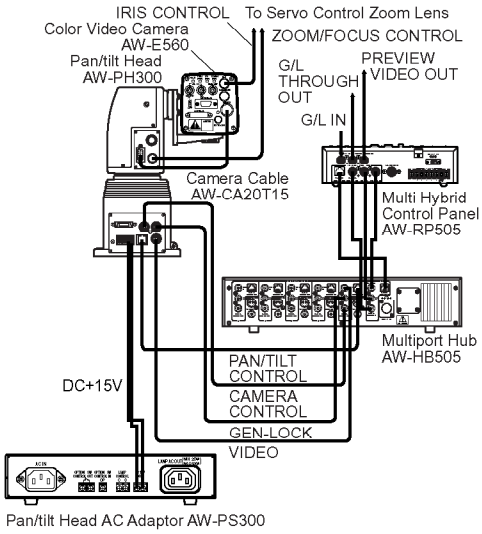
- Connect the AC Adapter AW-PS505 to the Multiport Hub AW-HB505.

- Connect the AC Adapter AW-PS301 to the Multi Hybrid Control Panel AW-RP505 and clamp the DC cable of the AC adapter to the cord clamp on the control panel.

- Connect the Pan/tilt Head AW-PH300 to the Colour Video Camera AW-E560 with the Camera Cable AW-CA20T15.
- Connect the iris control cable of the motor-driven zoom lens to the camera and the remote (zoom/focus control) cable to the pan/tilt head. If the remote (zoom/focus control) cable of the motor-driven zoom lens is connected to the camera, the lens cannot be controlled.

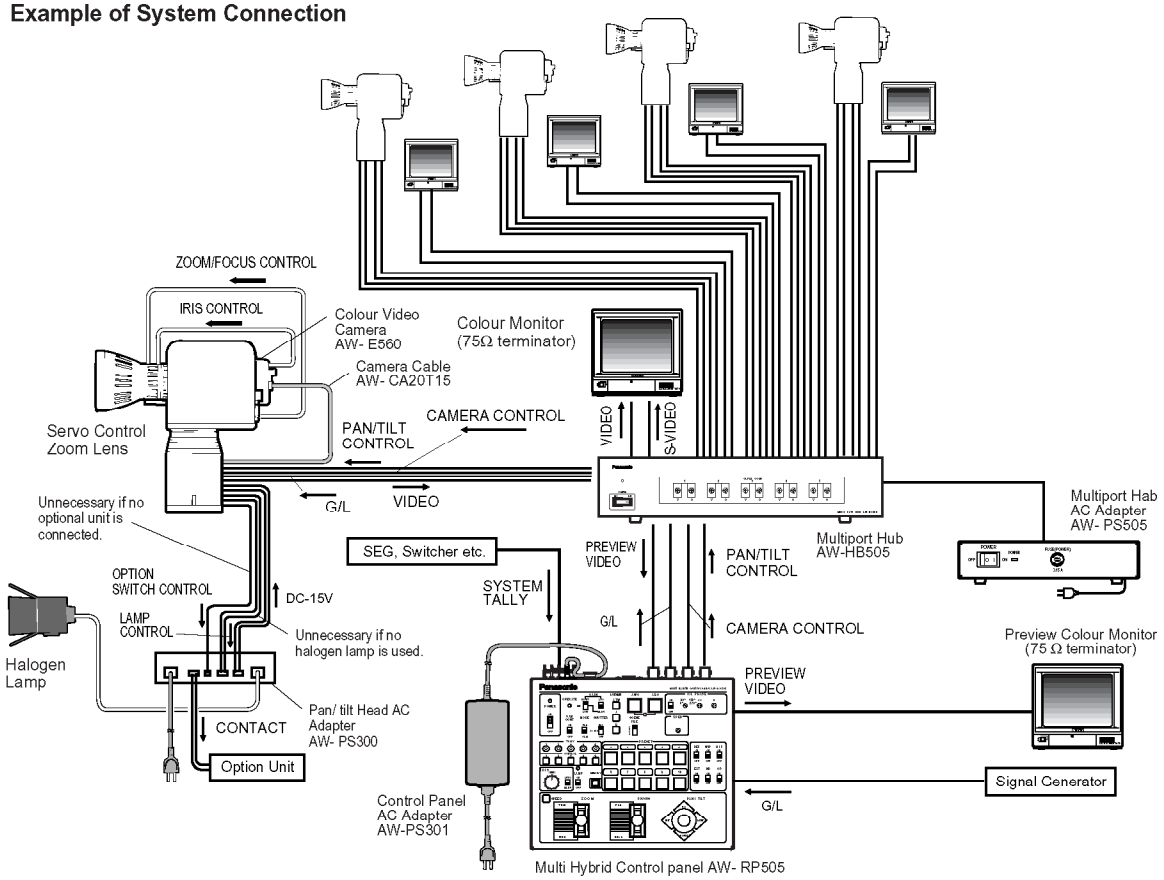


- Connect the multiport hub to the multi hybrid control panel with the three coaxial cables (video signal, G/L signal, camera control signal) and one 10BASE-T straight cable (pan/tilt head control signal). The maximum distance between the control panel and pan/tilt head is 10 meters for coaxial cables 5C-2V and 10BASE-T straight cable (UTP category 5 or equivalent).
- Connect the multiport hub to the multi hybrid control panel with the three coaxial cables (video signal, G/L signal, camera control signal) and one 10BASE-T straight cable (pan/tilt head control signal). The maximum distance between the control panel and each pan/tilt head is 500 meters for coaxial cables 5C-2V and 10BASE-T straight cable (UTP category 5 or equivalent).
- For further details on connecting the individual devices, refer to their operating instruction manuals.



Connecting the Control Panel to Multiport Hub, Colour Video Camera (AW-E560), Pan/tilt Head (AW-PH300), and Pan/tilt Head AC Adapter (AW-PS300)

• **Example of System Connection**



OPERATION

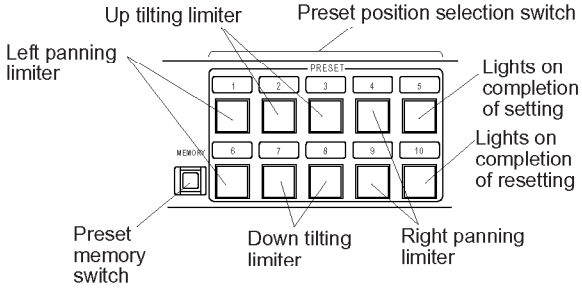
1. Power

Set the power switches on the pan/tilt head AC adapter and the multiport hub AC adapter to the ON position, then set Power control Switch on the multi control panel to the ON position.

2. Pan/tilt Limiter Setting for Pan/tilt Head

If there are obstacles around the pan/tilt heads, set the limiters to limit the operating range (pan left and right ends, tilt up and down ends) of the pan/tilt head.

Note: The switches on the pan/tilt head have been preset before shipment from the factory on the assumption that the pan/tilt head would be suspended from the ceiling. If the pan/tilt head is mounted on a board, for example, be sure to shift the mounting direction switches on the pan/tilt head. Unless this is done, pan/tilt directions will be reversed and pan/head operation limiter data cannot be properly stored in the memory. For details on shifting these switches, refer to INSTALLATION OF PAN/TILT HEAD at page 8 or the Operating Instructions for Pan/tilt Head.



① Select a pan/tilt head with the CONTROL switch on the multi hybrid control panel.

② Left Panning Limiter

Turn the pan/tilt head to the desired left panning limit with PAN/TILT Lever of the multi hybrid control panel, keep MEMORY Switch depressed, and simultaneously press buttons [1] and [6] of PRESET Switch for 5 seconds or more. When the desired limit has been set, button [5] of PRESET Switch lights.

To reset the limit, keep the MEMORY switch depressed, and simultaneously press buttons [1] and [6] of PRESET Switch again for 5 seconds or more. When the set limit is reset, button [10] of PRESET Switch lights.

③ Right Panning Limiter
Turn the pan/tilt head to the desired right panning limit with PAN/TILT Lever of the multi hybrid control panel, keep MEMORY Switch depressed, and simultaneously press buttons [4] and [9] of PRESET Switch for 5 seconds or more. When the desired limit has been set, button [5] of PRESET Switch lights.
To reset the limit, keep the MEMORY Switch depressed, and simultaneously press buttons [4] and [9] of PRESET Switch again for 5 seconds or more. When the set limit is reset, button [10] of PRESET Switch lights.

④ Up Tilting Limiter
Turn the pan/tilt head to the desired up tilting limit with PAN/TILT Lever of the multi hybrid control panel, keep MEMORY Switch depressed, and simultaneously press buttons [2] and [3] of PRESET Switch for 5 seconds or more. When the desired limit has been set, button [5] of PRESET Switch lights.
To reset the limit, keep the MEMORY switch depressed, and simultaneously press buttons [2] and [3] of PRESET Switch again for 5 seconds or more. When the set limit is reset, button [10] of PRESET Switch lights.

⑤ Down Tilting Limiter
Turn the pan/tilt head to the desired down tilting limit with PAN/TILT Lever of the multi hybrid control panel, keep MEMORY Switch depressed, and simultaneously press buttons [7] and [8] of PRESET Switch for 5 seconds or more. When the desired limit has been set, button [5] of PRESET Switch lights.
To reset the limit, keep the MEMORY switch depressed, and simultaneously press buttons [7] and [8] of PRESET Switch again for 5 seconds or more. When the set limit is reset, button [10] of PRESET Switch lights.

⑥ Select a pan/tilt head with the CONTROL switch on the multi hybrid control panel, and set the its operating range limiters. Repeat the same process for each of the other pan/tilt heads.

3. Cable Compensation Setting, Genlock and Total Pedestal Adjustment

1) After selecting a camera with the CONTROL switch on the multi hybrid control panel, set the CAM CONT switch to the ON position.
Note: When the CAM CONT switch on the multi hybrid control panel is set to the ON position, the switch settings of the multi hybrid control panel are sent to the camera to update its settings. Do not set the CAM CONT switch to the ON position except when changing the camera settings. If another camera is selected with the CONTROL switch while the CAM CONT switch is in the ON position, the settings of the selected camera will be similarly changed. Set the CAM CONT switch back to the OFF position before changing one camera for another with the CONTROL switch.

2) Adjust the cable compensation, genlock, and total pedestal of the selected camera.

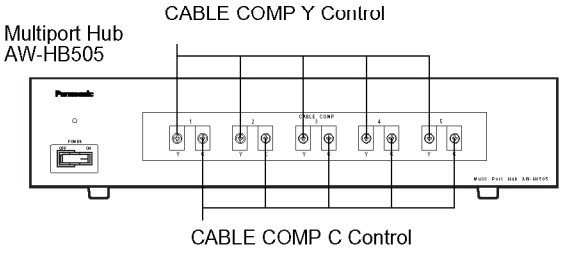
● Cable Compensation

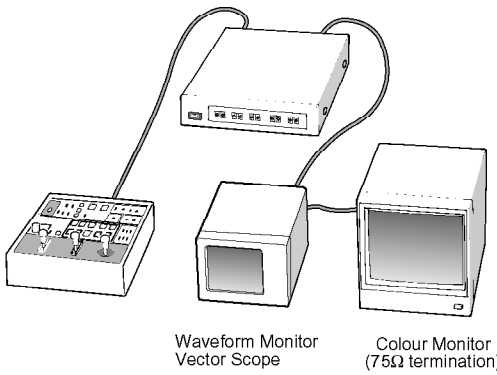
Signal degradation due to cable length between the control panel and the pan/tilt head can be compensated for.

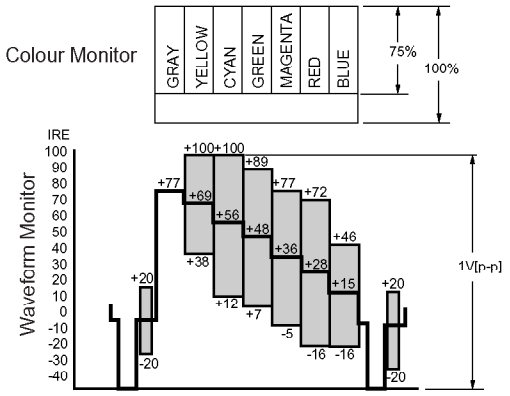
① If the cable length from the pan/tilt head to the control panel is longer than 300 meters, set the cable compensation switch on the pan/tilt head to the ON position. For details, refer to INSTALLATION OF PAN/TILT HEAD at page 8 or the Operating Instructions for Pan/tilt Head.

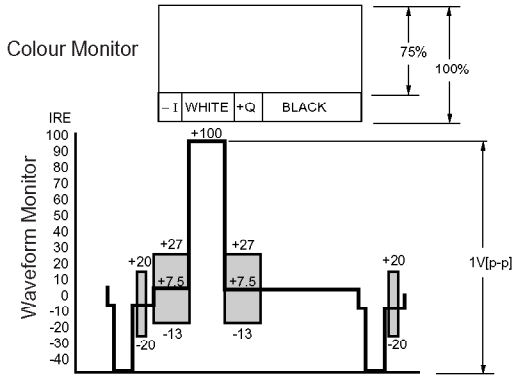
② Connect a waveform monitor or a vectorscope to the video output connector on the control panel for the corresponding the camera pan/tilt head number ([1] to [5]), set the video output connector on the control panel, set the mode switch to the BAR position, then observe the colour bar signals.

③ Adjust the Y (luminance) signal level with the CABLE COMP Y control for the corresponding camera pan/tilt head number ([1] to [5]), then adjust the CABLE COMP Y control and then adjust the C (chrominance) signal level with CABLE COMP C control. Repeat this until the video output of the control panel is adjusted as shown in the figure below.
Note: Turning CABLE COMP Y control changes not only the Y (luminance) signal level but also the video signal levels as a whole.









● Genlock Adjustment

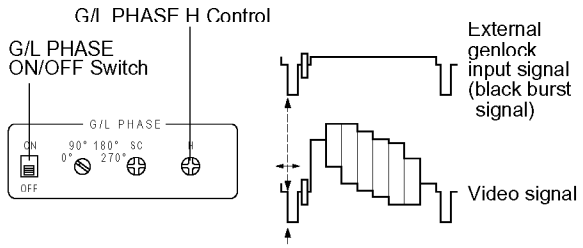
To use the camera in external sync mode, phase adjustment is necessary to match the phases with those of the other units and camera. No G/L adjustment is necessary in case of no genlock.

• Horizontal Phase Adjustment

① Set G/L PHASE ON/OFF Switch of the multi hybrid control panel to the ON position.

Note: When G/L PHASE ON/OFF Switch of the multi hybrid control panel is set to the ON position, the sync phase of the camera changes to the settings of G/L PHASE H Control, G/L PHASE Coarse Switch, and G/L PHASE SC Control. Unless G/L phase adjustment is necessary, do not set G/L PHASE ON/OFF Switch to the ON position.

② Observe the waveforms of the G/L signal input (black burst signal) and video signal output on a dual channel oscilloscope, and turn the G/L horizontal phase control to match the horizontal phase as shown in the right column.



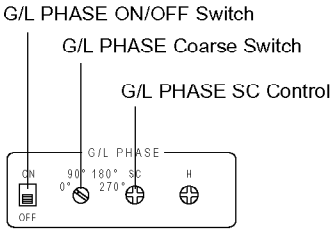
③ Set G/L PHASE ON/OFF Switch of the multi hybrid control panel back to the OFF position.

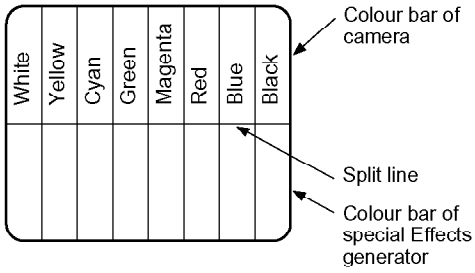
• Subcarrier Phase Adjustment

① Set G/L PHASE ON/OFF Switch of the multi hybrid control panel to the ON position.

Note: When G/L PHASE ON/OFF Switch of the multi hybrid control panel is set to the ON position, the sync phase of the camera changes to the settings of G/L PHASE H Control, G/L PHASE Coarse Switch, and G/L PHASE SC Control. Unless G/L phase adjustment is necessary, do not set G/L PHASE ON/OFF Switch to the ON position.

② Adjust G/L PHASE Coarse Switch and G/L PHASE SC Control to match the subcarrier colour phase of the video signal output with that of the reference tone, such as of the program output (split colour bar output) of a Colour Special Effect Generator, for example. Higher accuracy can be obtained if a vectorscope is used for colour phase adjustment.

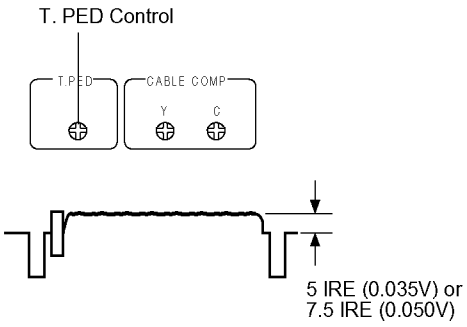




③ Set G/L PHASE ON/OFF Switch of the multi hybrid control panel back to the OFF position.

● Total Pedestal Adjustment

Total pedestal adjustment is made to adjust the pedestals of two or more cameras. Using an oscilloscope or a waveform monitor, adjust the pedestals to 5 IRE (0.035 V) or 7.5 IRE (0.050 V) with T.PED Control of the multi hybrid control panel.



3) Set the switches for gain, shutter, etc. as appropriate to the conditions of using the camera.
4) Set the camera control switch on the multi hybrid control panel to the OFF position.
5) Repeat Steps 1) to 4) to finish cable compensation, G/L adjustment, total pedestal adjustment, and switch setting for all the cameras.

4. White Balance and Black Balance Setting

1) Select a camera with the CONTROL switch on the multi hybrid control panel.
2) Adjust the white balance and black balance of the selected camera.

- White balance adjustment is necessary when using the camera for the first time, or if the camera has not been used for a long period of time.
- Once the white balance is adjusted, no readjustment is necessary if the camera is used under the same conditions.

• Automatic White Balance Control (AWC)

The colour temperature conditions for two channels A and B can be stored in the memory in advance. Once the white balance is adjusted, all that is needed is to select either AUTO/ATW A Switch or AUTO/ATW B Switch of the multi hybrid control panel. if the camera is used under the same conditions. No readjustment is necessary. If the white balance is readjusted, the existing white balance data is replaced with new data.

① Press either AUTO/ATW A Switch or AUTO/ATW B switch of the multi hybrid control panel.

② Pick up a white object (a white wall or white handkerchief, for example) fully on the screen. Be careful to keep a shiny or bright object out of the screen.

③ When AWC Switch of the multi hybrid control panel is pressed, the auto Auto set Indicator flashes and the white balance is automatically adjusted. It goes out when it has been properly adjusted. If the adjustment fails, Auto set Indicator remains lit. In such a case, change the brightness, iris, object, light source, etc. and adjust it again.

• Automatic Tracing White Balance Control (ATW)

When AUTO/ATW ATW Switch of the multi hybrid control panel is pressed, the white balance is automatically adjusted even if the light source or colour temperature changes, thus reproducing a natural image.

Note: The white balance may deviate if there is nothing white in the image. The white balance may not be fully adjusted depending on the light source or colour temperature.

- Black balance adjustment is necessary when using the camera for the first time, or if the camera has not been used for a long period of time.
- Black balance adjustment is necessary if there is a big change in the ambient temperature or at the turn of a season.
- Once the black balance is adjusted, no readjustment is necessary if the camera is used under the same conditions.

• Automatic Black Balance Control (ABC)

When ABC Switch of the multi hybrid control panel is pressed, the lens iris is automatically closed to set the black balance. Keep IRIS AUTO/MANU Switch of the multi hybrid control panel in the AUTO position when setting the black balance. The auto set LED flashes during black balance adjustment, and goes out when it is finished normally. The LED remains lit if the adjustment fails. In such a such, try to adjust it again.

Black balance adjustment may fail in some cases where the total pedestal is too low. Adjust the total pedestal with T.PED Control of the multi hybrid control panel and adjust the black balance again.

3) Repeat Steps 1) and 2) to adjust the white balance and black balance of all cameras.

5. Camera and Pan/tilt Head Presetting

1) Select a camera and pan/tilt head with the CONTROL switch on the multi hybrid control panel.

2) Pick up a desired object with the camera using PAN/TILT Lever ZOOM Lever and FOCUS Lever of the multi hybrid control panel. Select a white balance control mode using AUTO/ATW ATW Switch AUTO/ATW A Switch or AUTO/ATW B Switch. To store iris data in the memory, set IRIS AUTO/MANU Switch to the MANU position and turn the iris control. When IRIS AUTO/ MANU Switch is in the AUTO position, iris data will not be stored in the memory.

3) Keep MEMORY Switch of the multi hybrid control panel depressed (MEMORY Switch lights and all the 10 buttons of PRESET Switch flash), press any of the buttons [1] to [10] of PRESET Switch as desired to store the data in the memory. Only that button of PRESET Switches where the data is stored lights.
   Note: If data is stored again in the same button of PRESET Switches of the multi hybrid control panel the preceding data is deleted.

4) Repeat Steps 1) and 3) to store the presettings of all the cameras and pan/tilt heads in the memory.

6. Various Switch Settings

Select a desired operating camera and pan/tilt head with the CONTROL switch on the multi hybrid control panel, then control the camera and pan/tilt head control the camera and pan/tilt head using PRESET Switch, PAN/TILT Lever, ZOOM Lever, FOCUS Lever, IRIS AUTO/MANU Switch and other switches.

* In case of not changing the adjustment data and settings, it is not necessary to repeat the adjustment and setting procedures described in Sections 2 to 5.

RACK MOUNTING

To mount the multiport hub in a rack, use the supplied rack mounting brackets and screws (M4x10).

① Press the power switch to turn power off.

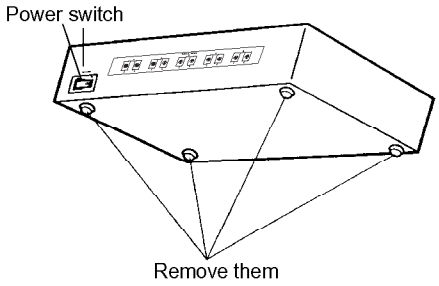
② Remove the 4 feet.

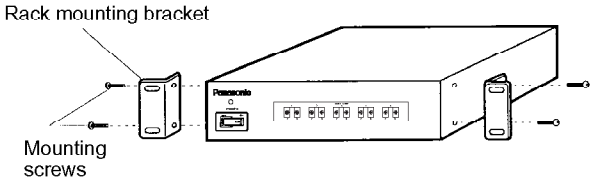
③ With the rack mounting brackets on both ends of the multiport hub, fasten them with the supplied screws (4 pcs.)

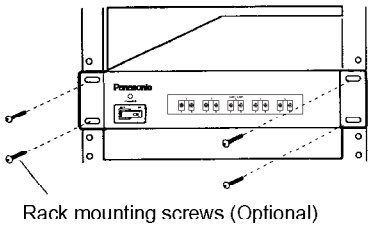
④ Mount the multiport hub in the rack and fasten it with the rack mounting screws (4 pcs.)

Notes:

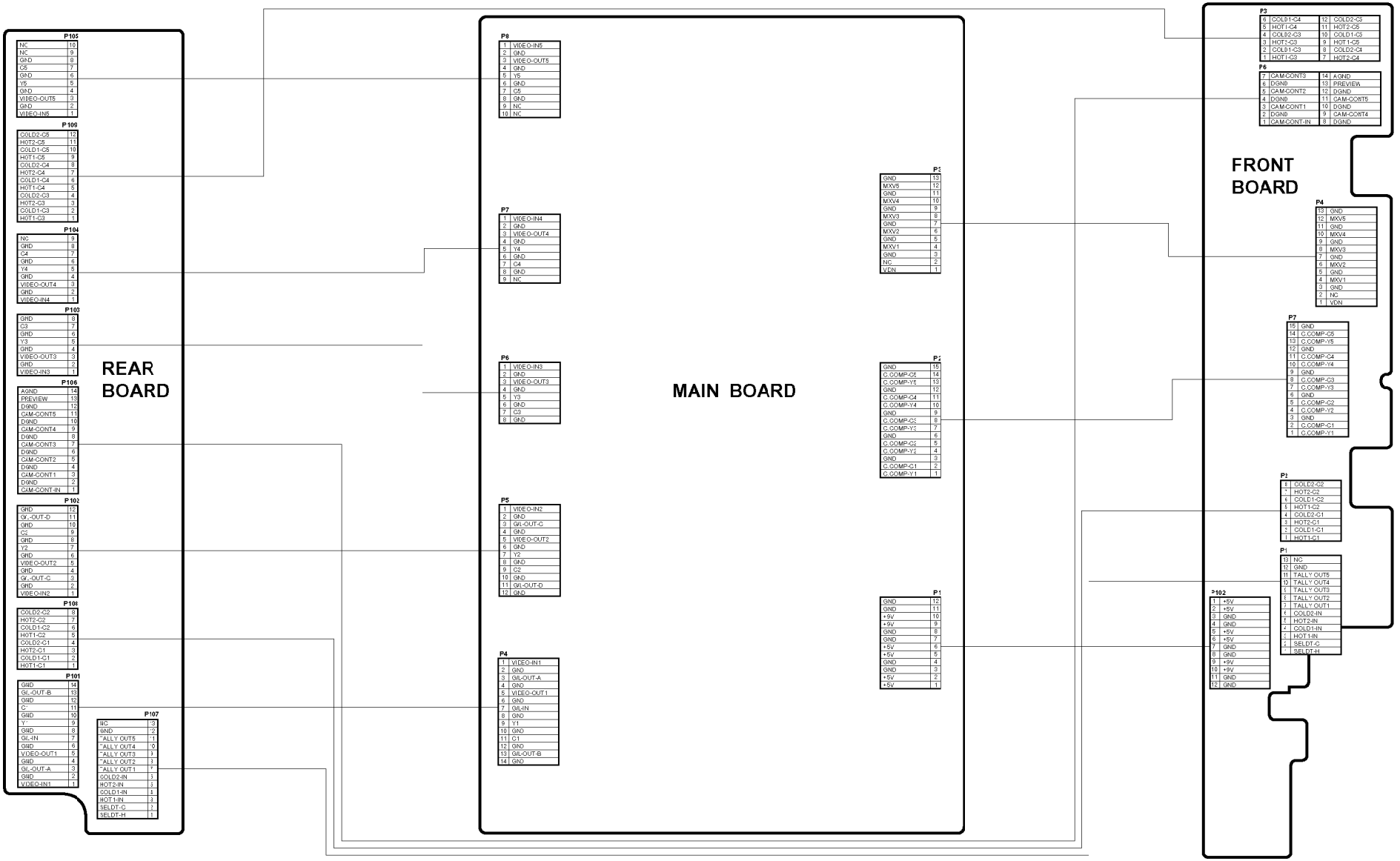
- The rack mounting screws are optional.
- Keep the multiport hub away (at least its size) from other devices, or mount a cooling fan in the rack, so that the temperature inside the rack will not rise above 50°C.





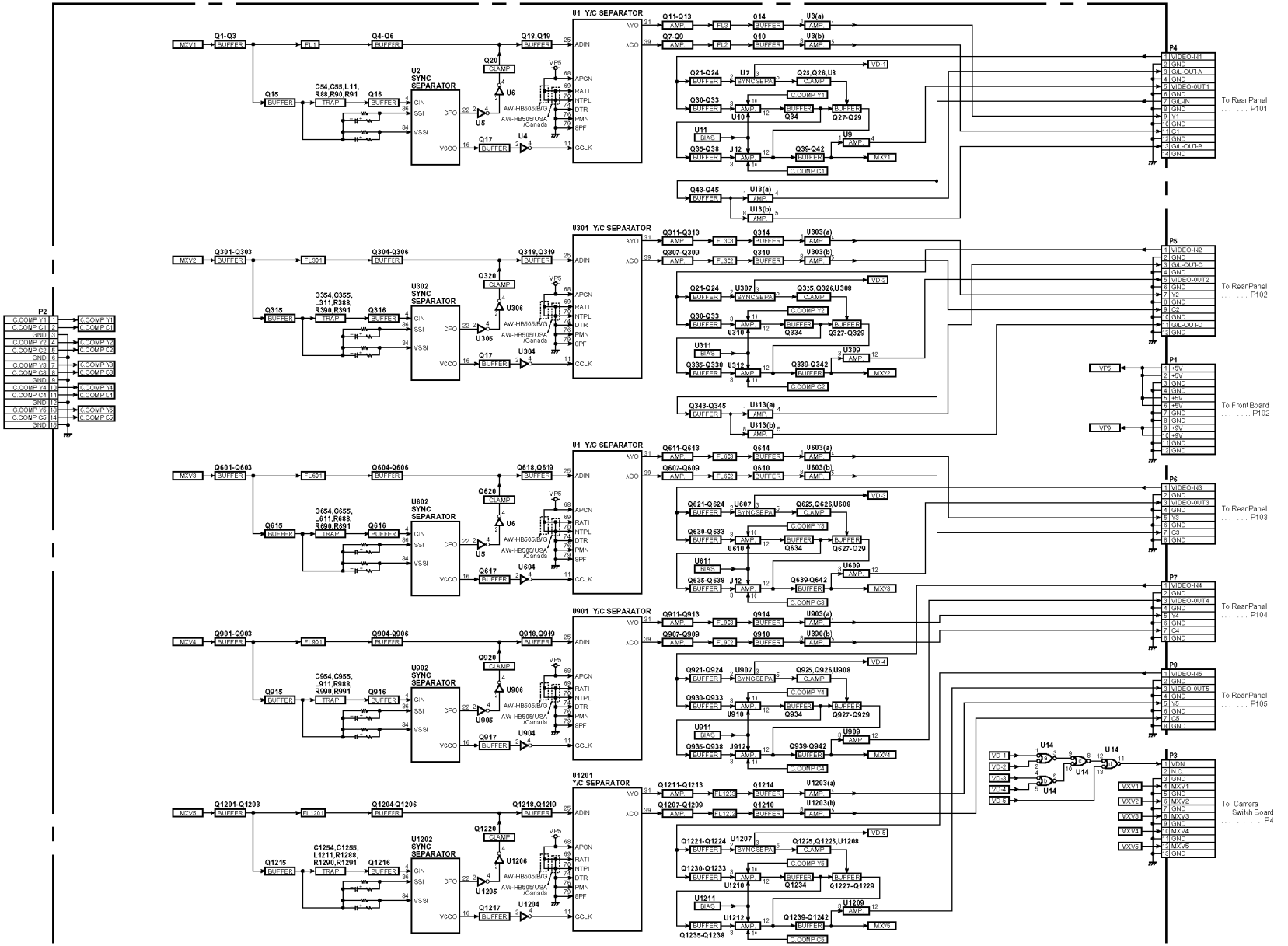


WIRING DIAGRAM



BLOCK DIAGRAM

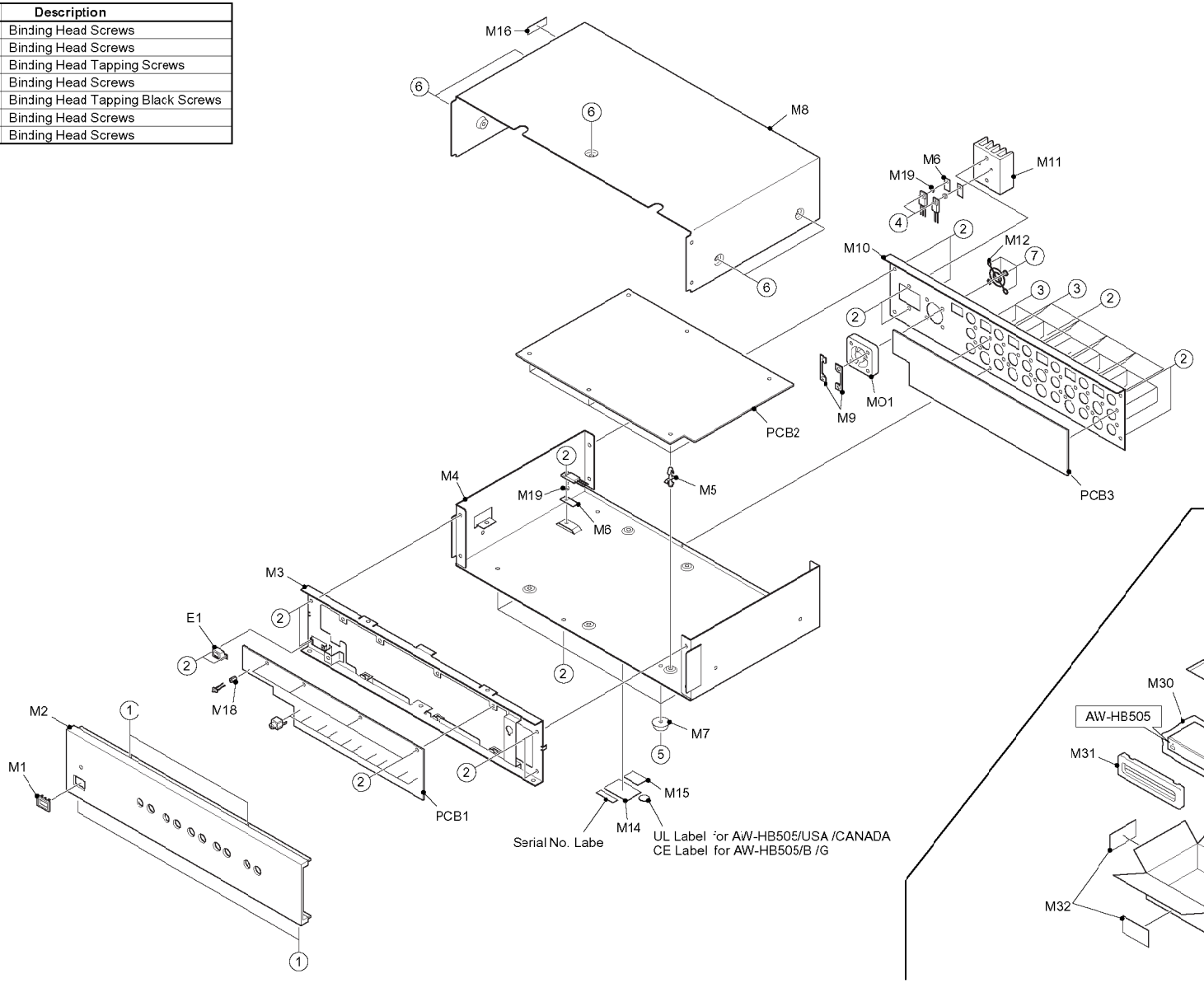
MAIN BOARD



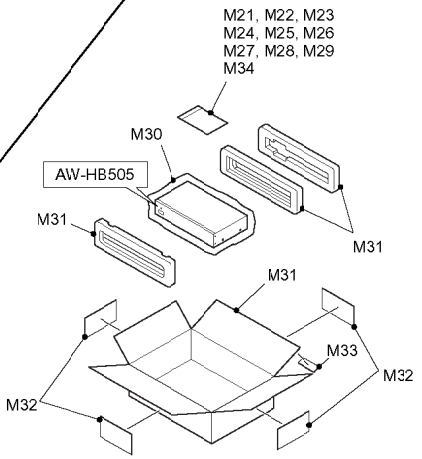
EXPLODED VIEW

◯ Numbers show screws, washers, nuts and etc.

No.	Screws	Description
①	XSB3+6FN	Binding Head Screws
②	XSB3+6FX	Binding Head Screws
③	XTB3+8BFX	Binding Head Tapping Screws
④	XSB3+10FX	Binding Head Screws
⑤	XTB3+12FFXK	Binding Head Tapping Black Screws
⑥	XSB4+8FN	Binding Head Screws
⑦	XSB3+18FN	Binding Head Screws



PACKAGING



REPLACEMENT PARTS LIST

Important Notice

1. Components identified by " ⚠ " mark have special characteristics important for safety.
   When replacing any of these components, use only manufacturer's specified parts.
2. RTL : Retention Time Limited (No longer available after discontinuing product).

REF. NO.	PART NO.	DESCRIPTION
MISCELLANEOUS		
IC101	YWYMC7805CT	IC
IC102,103	YWYMC7809CT	IC
MO1	YWHB505F01AS	Fan Motor
SW101 ⚠	YWEST15147V	Power Switch
CN101	HA16RD4P	4-pin Connector
E101	YWHB505HB03A	Wire
E102	YWHB505HB05A	Wire
E103	YWHB505HB04A	Wire
E104	YWHB505HB15A	Wire
E105	YWHB505HB16A	Wire
E106	YWHB505HB01A	Wire
E107	YWHB505HB02A	Wire
E108	YWHB505HB06A	Wire
E109	YWHB505HB07A	Wire
E110	YWHB505HB08A	Wire
E111	YWHB505HB09A	Wire
E112	YWHB505HB10A	Wire
E113	YWHB505HB11A	Wire
E114	YWHB505HB12A	Wire
E115	YWHB505HB13A	Wire
E116	YWHB505HB14A	Wire
E117	50212-8100	Terminal
E118	51065-0200	2-pin Housing
M1	YWV5EA0765B3	Switch Cover
M2	YW1A1A055A	Front Panel
M3	YWV2KA0894A2	Front Chassis
M4	YW1A1A053A	Main Chassis
M5	YWKGLS4S	Spacer
M6	YW8K1A003A	Cool Seat
M7	YWV5350WB01	Rubber Foot
M8	YWV5EA0837A1	Upper Cover
M9	YWV1FA0066A4	Nut Plate
M10	YW1A1A056A	Rear Panel
M11	YWV7DA0240B3	Heatsink
M12	YWG402	Fan Guard
M14 ⚠	YW7B1A092A	Main Label for AW-HB505/USA/Canada
	YW7B1A093A	Main Label for AW-HB505/B/G
M15 ⚠	YFV7MA0061A4	FCC Label for AW-HB505/USA/Canada
M16 ⚠	YFV7MB0099A4	Caution Label
M19	YWB24	Bushing

REF. NO.	PART NO.	DESCRIPTION	
FRONT BOARD			
PCB1 (RTL)	YWWHB55JKY1A	Printed Circuit Board Assy	
U2	MC74HCT138AF	IC	
U3	YWSN75179BPS	IC	
U4	MC74ACT151M	IC	
U5	YWSN75179BPS	IC	
U6-9	YWSN75179BPS	IC	
U10	MC74HC138AF	IC	
U11	YWMC74HC04AF	IC	
U12	YWTC7S00FL	IC	
U13	MC74HC374AF	IC	
U14-18	YWNJU201AM	IC	
U19	YWMM1140XF	IC	
U20	YNJU7660M	IC	
U21,22	YW78L05UATE2	IC	
U23-27	TL092CPS	IC	
U28	YWTD62083F	IC	
U29	TC74HC123AF	IC	
U30	MC74HC374AF	IC	
U31	YWMC74HC164F	IC	
U32	MC74HCT04AF	IC	
U33	MC74HC161AF	IC	
U34	YWSN75179BPS	IC	
Q5-7	2SC3931-CD	Transistor	
Q8	XP4601	Transistor	
Q9	2SD1820A-QR	Transistor	
Q10	2SB1219A-RS	Transistor	
D1,2	MA142K	Diode	
D3	MA143ATX	Diode	
D101,102	YWERB83004	Diode	
D103	LN238RPH	Diode	
D104	YWERB83004	Diode	
R7-10	ERJ3CEY0R00	Carbon	0 ohm 1/16W
R17	ERJ3GEY0R00	Carbon	0 ohm 1/16W
R25	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R26	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R28	ERJ3GEY0R00	Carbon	0 ohm 1/16W
R29	ERJ3GEYJ332	Carbon	3.3K ohms 1/16W
R30	ERJ3GEYJ682	Carbon	68K ohms 1/16W
R31	ERJ3GEYJ182	Carbon	1.8K ohms 1/16W
R32	ERJ3GEYJ222	Carbon	2.2K ohms 1/16W

REF. NO.	PART NO.	DESCRIPTION	
R33	ERJ3GEYJ332	Carbon	3.3K ohms 1/16W
R34-37	ERJ3GEYJ100	Carbon	10 ohms 1/16W
R38	ERJ3GEYJ750	Carbon	75 ohms 1/16W
R39	ERJ3GEYJ203	Carbon	20K ohms 1/16W
R40	RK9K11320K1	Variable Resistor	20K ohms
R41	ERJ3GEYJ562	Carbon	5.6K ohms 1/16W
R42	ERJ3GEYJ153	Carbon	15K ohms 1/16W
R43	RK9K11320K1	Variable Resistor	20K ohms
R44	ERJ3GEYJ153	Carbon	15K ohms 1/16W
R45	ERJ3CEYJ203	Carbon	20K ohms 1/16W
R46	RK9K11320K1	Variable Resistor	20K ohms
R47	ERJ3GEYJ562	Carbon	5.6K ohms 1/16W
R48	ERJ3GEYJ153	Carbon	15K ohms 1/16W
R49	RK9K11320K1	Variable Resistor	20K ohms
R50	ERJ3GEYJ153	Carbon	15K ohms 1/16W
R51	ERJ3GEYJ203	Carbon	20K ohms 1/16W
R52	RK9K11320K1	Variable Resistor	20K ohms
R53	ERJ3GEYJ562	Carbon	5.6K ohms 1/16W
R54	ERJ3GEYJ153	Carbon	15K ohms 1/16W
R55	RK9K11320K1	Variable Resistor	20K ohms
R56	ERJ3GEYJ153	Carbon	15K ohms 1/16W
R57	ERJ3GEYJ203	Carbon	20K ohms 1/16W
R58	RK9K11320K1	Variable Resistor	20K ohms
R59	ERJ3GEYJ562	Carbon	5.6K ohms 1/16W
R60	ERJ3GEY0R00	Carbon	0 ohm 1/16W
R61	ERJ3GEYJ153	Carbon	15K ohms 1/16W
R62	RK9K11320K1	Variable Resistor	20K ohms
R63	ERJ3GEYJ153	Carbon	15K ohms 1/16W
R64	ERJ3GEYJ203	Carbon	20K ohms 1/16W
R65	RK9K11320K1	Variable Resistor	20K ohms
R66	ERJ3GEYJ562	Carbon	5.6K ohms 1/16W
R67	ERJ3GEYJ153	Carbon	15K ohms 1/16W
R68	RK9K11320K1	Variable Resistor	20K ohms
R69	ERJ3GEYJ153	Carbon	15K ohms 1/16W
R71-82	ERJ3GEYJ201	Carbon	200 ohms 1/16W
R83,84	ERJ3GEYJ203	Carbon	20K ohms 1/16W
R87,88	ERJ3GEYJ201	Carbon	200 ohms 1/16W
R101-104	ERX5SJ4R7	Metal	4.7 ohms 5W
R105	ERJ3GEYJ911	Carbon	910 ohms 1/16W
C5-16	YGM1F104Z1ET	Ceramic	0.1 µF 25V
C17-21	YWRVS1C100M	Electrolytic	10 µF 16V
C23	YWRVS1C470M	Electrolytic	47 µF 16V
C24,25	YWRVS1C100M	Electrolytic	10 µF 16V
C26,27	YWRVS1C470M	Electrolytic	47 µF 16V
C28,29	YGM1F104Z1ET	Ceramic	0.1 µF 25V
C30,31	YWRVS1A101M	Electrolytic	100 µF 10V
C32	YWRVS1C100M	Electrolytic	10 µF 16V
C36	YW5CH030D5VB	Ceramic	3 pF
C37,38	YWRVS1C470M	Electrolytic	47 µF 16V
C39-53	YGM1F104Z1ET	Ceramic	0.1 µF 25V

REF. NO.	PART NO.	DESCRIPTION	
C54	YW5X103K5VB	Ceramic	0.01 µF
C55-61	YGM1F104Z1ET	Ceramic	0.1 µF 25V
C101	YWRVJ1E101M	Electrolytic	100 µF 25V
C102	YGM1F104Z1ET	Ceramic	0.1 µF 25V
C103	YWRVJ1E101M	Electrolytic	100 µF 25V
C104,105	YGM1F104Z1ET	Ceramic	0.1 µF 25V
C106	YWRVS1A101M	Electrolytic	100 µF
C107	YWRVJ1E101M	Electrolytic	100 µF 25V
C108	YGM1F104Z1ET	Ceramic	0.1 µF 25V
C109	YWRVJ1E101M	Electrolytic	100 µF 25V
C110,111	YGM1F104Z1ET	Ceramic	0.1 µF 25V
C112	YWRVS1A101M	Electrolytic	100 µF 10V
C113-132	YW5CH101J5VB	Ceramic	100 pF
L1,2	YWNL32100J	Coil	10 µH
L101	YWS100522390	Coil	39 µH
F101 ⚠	YWSSFC4AT4	Current Fuse	4A
P1	YW53261-1390	13-pin Connector	
P2	YW53261-0890	8-pin Connector	
P3	YW53261-1290	12-pin Connector	
P4	YW53261-1390	13-pin Connector	
P6	YW53261-1490	14-pin Connector	
P7	YW53261-1590	15-pin Connector	
P101	YW53254-0510	5-pin Connector	
P102	YW53254-1210	12-pin Connector	
P103	YW53254-0910	9-pin Connector	
P104	YW53254-0210	2-pin Connector	
M18	YWLH55	Spacer	

MAIN BOARD

PCB2 (RTL)	YWWHB55JKZ1A	Printed Circuit Board Assy for AW-HB505/USA/Canada
	YWWHB55EKZ1A	Printed Circuit Board Assy for AW-HB505/USA/Canada
U1	YWCXD2044Q	IC
U2	YWUPC1862GS	IC
U3	YWNJM2268M	IC
U4-6	YWTC7S04FL	IC
U7	YWLM1881M	IC
U8	YWTC7S08FL	IC
U9	YWNJM2267M	IC
U10	NJM1496M	IC
U11	TL092CPS	IC
U12	NJM1496M	IC
U13	YWNJM2267M	IC

REF. NO.	PART NO.	DESCRIPTION
U14	YWMC74HC08AF	IC
U301	YWCXD2044Q	IC
U302	YWUPC1862GS	IC
U303	YWNJM2268M	IC
U304-306	YWTC7S04FL	IC
U307	YWLM1881M	IC
U308	YWTC7S08FL	IC
U309	YWNJM2267M	IC
U310	NJM1496M	IC
U311	TL092CPS	IC
U312	NJM1496M	IC
U313	YWNJM2267M	IC
U601	YWCXD2044Q	IC
U602	YWUPC1862GS	IC
U603	YWNJM2268M	IC
U604-606	YWTC7S04FL	IC
U607	YWLM1881M	IC
U608	YWTC7S08FL	IC
U609	YWNJM2267M	IC
U610	NJM1496M	IC
U611	TL092CPS	IC
U612	NJM1496M	IC
U901	YWCXD2044Q	IC
U902	YWUPC1862GS	IC
U903	YWNJM2268M	IC
U904-906	YWTC7S04FL	IC
U907	YWLM1881M	IC
U908	YWTC7S08FL	IC
U909	YWNJM2267M	IC
U910	NJM1496M	IC
U911	TL092CPS	IC
U912	NJM1496M	IC
U1201	YWCXD2044Q	IC
U1202	YWUPC1862GS	IC
U1203	YWNJM2268M	IC
U1204-1206	YWTC7S04FL	IC
U1207	YWLM1881M	IC
U1208	YWTC7S08FL	IC
U1209	YWNJM2267M	IC
U1210	NJM1496M	IC
U1211	TL092CPS	IC
U1212	NJM1496M	IC
Q1	2SD1819-QRS	Transistor
Q2	2SC3931-CD	Transistor
Q3,4	2SD1819-QRS	Transistor
Q5	2SC3931-CD	Transistor
Q6,7	2SD1819-QRS	Transistor
Q8	2SC3931-CD	Transistor
Q9	2SD1819-QRS	Transistor
Q10	2SB1218-QRS	Transistor

REF. NO.	PART NO.	DESCRIPTION
Q11	2SD1819-QRS	Transistor
Q12	2SC3931-CD	Transistor
Q13	2SD1819-QRS	Transistor
Q14,15	2SB1218-QRS	Transistor
Q16	2SD1819-QRS	Transistor
Q17,18	2SD1819-QRS	Transistor
Q19	2SB1218-QRS	Transistor
Q20	2SC3931-CD	Transistor
Q21,22	2SD1819-QRS	Transistor
Q23	2SC3931-CD	Transistor
Q24	2SD1819-QRS	Transistor
Q25	2SB1218-QRS	Transistor
Q26	2SC3931-CD	Transistor
Q27	2SA1532-CD	Transistor for AW-HB505/USA/Canada
Q28	2SD1819-QRS	Transistor
Q29	2SC3931-CD	Transistor
Q30	2SD1819-QRS	Transistor
Q31	2SC3931-CD	Transistor
Q32	2SA1532-CD	Transistor
Q33-35	2SD1819-QRS	Transistor
Q36	2SC3931-CD	Transistor
Q37,38	2SD1819-QRS	Transistor
Q39	2SA1532-CD	Transistor
Q40	2SD1819-QRS	Transistor for AW-HB505/USA/Canada
	2SC3931-CD	Transistor for AW-HB505/B/G
Q41	2SC3931-CD	Transistor
Q42	2SC3931-CD	Transistor for AW-HB505/USA/Canada
	2SD1819-QRS	Transistor for AW-HB505/B/G
Q43	2SD1819-QRS	Transistor
Q44	2SC3931-CD	Transistor
Q45,301	2SD1819-QRS	Transistor
Q302	2SC3931-CD	Transistor
Q303,304	2SD1819-QRS	Transistor
Q305	2SC3931-CD	Transistor
Q306,307	2SD1819-QRS	Transistor
Q308	2SC3931-CD	Transistor
Q309	2SD1819-QRS	Transistor
Q310	2SB1218-QRS	Transistor
Q311	2SD1819-QRS	Transistor
Q312	2SC3931-CD	Transistor
Q313	2SD1819-QRS	Transistor
Q314,315	2SB1218-QRS	Transistor
Q316-318	2SD1819-QRS	Transistor
Q319	2SB1218-QRS	Transistor
Q320	2SC3931-CD	Transistor
Q321,322	2SD1819-QRS	Transistor
Q323	2SC3931-CD	Transistor
Q324	2SD1819-QRS	Transistor
Q325	2SB1218-QRS	Transistor
Q326	2SC3931-CD	Transistor

REF. NO.	PART NO.	DESCRIPTION
Q327	2SA1532-CD	Transistor for AW-HB505/USA/Canada
	2SB1218-QRS	Transistor for AW-HB505/B/G
Q328	2SD1819-QRS	Transistor
Q329	2SC3931-CD	Transistor
Q330	2SD1819-QRS	Transistor
Q331	2SC3931-CD	Transistor
Q332	2SA1532-CD	Transistor for AW-HB505/USA/Canada
	2SB1218-QRS	Transistor for AW-HB505/B/G
Q333-335	2SD1819-QRS	Transistor
Q336	2SC3931-CD	Transistor
Q337,338	2SD1819-QRS	Transistor
Q339	2SA1532-CD	Transistor
Q340	2SD1819-QRS	Transistor for AW-HB505/USA/Canada
	2SC3931-CD	Transistor for AW-HB505/B/G
Q341	2SC3931-CD	Transistor
Q342	2SC3931-CD	Transistor for AW-HB505/USA/Canada
	2SD1819-QRS	Transistor for AW-HB505/B/G
Q343	2SD1819-QRS	Transistor
Q344	2SC3931-CD	Transistor
Q345,601	2SD1819-QRS	Transistor
Q602	2SC3931-CD	Transistor
Q603,604	2SD1819-QRS	Transistor
Q605	2SC3931-CD	Transistor
Q606,607	2SD1819-QRS	Transistor
Q608	2SC3931-CD	Transistor
Q609	2SD1819-QRS	Transistor
Q610	2SB1218-QRS	Transistor
Q611	2SD1819-QRS	Transistor
Q612	2SC3931-CD	Transistor
Q613	2SD1819-QRS	Transistor
Q614,615	2SB1218-QRS	Transistor
Q616-618	2SD1819-QRS	Transistor
Q619	2SB1218-QRS	Transistor
Q620	2SC3931-CD	Transistor
Q621,622	2SD1819-QRS	Transistor
Q623	2SC3931-CD	Transistor
Q624	2SD1819-QRS	Transistor
Q625	2SB1218-QRS	Transistor
Q626	2SC3931-CD	Transistor
Q627	2SA1532-CD	Transistor for AW-HB505/USA/Canada
	2SB1218-QRS	Transistor for AW-HB505/B/G
Q628	2SD1819-QRS	Transistor
Q629	2SC3931-CD	Transistor
Q630	2SD1819-QRS	Transistor
Q631	2SC3931-CD	Transistor
Q632	2SA1532-CD	Transistor for AW-HB505/USA/Canada
	2SB1218-QRS	Transistor for AW-HB505/B/G
Q633-635	2SD1819-QRS	Transistor
Q636	2SC3931-CD	Transistor
Q637,638	2SD1819-QRS	Transistor

REF. NO.	PART NO.	DESCRIPTION
Q639	2SA1532-CD	Transistor
Q640	2SD1819-QRS	Transistor for AW-HB505/USA/Canada
	2SC3931-CD	Transistor for AW-HB505/B/G
Q641	2SC3931-CD	Transistor
Q642	2SC3931-CD	Transistor for AW-HB505/USA/Canada
	2SD1819-QRS	Transistor for AW-HB505/B/G
Q901	2SD1819-QRS	Transistor
Q902	2SC3931-CD	Transistor
Q903,904	2SD1819-QRS	Transistor
Q905	2SC3931-CD	Transistor
Q906,907	2SD1819-QRS	Transistor
Q908	2SC3931-CD	Transistor
Q909	2SD1819-QRS	Transistor
Q910	2SB1218-QRS	Transistor
Q911	2SD1819-QRS	Transistor
Q912	2SC3931-CD	Transistor
Q913	2SD1819-QRS	Transistor
Q914,915	2SB1218-QRS	Transistor
Q916-918	2SD1819-QRS	Transistor
Q919	2SB1218-QRS	Transistor
Q920	2SC3931-CD	Transistor
Q921,922	2SD1819-QRS	Transistor
Q923	2SC3931-CD	Transistor
Q924	2SD1819-QRS	Transistor
Q925	2SB1218-QRS	Transistor
Q926	2SC3931-CD	Transistor
Q927	2SA1532-CD	Transistor for AW-HB505/USA/Canada
	2SB1218-QRS	Transistor for AW-HB505/B/G
Q928	2SD1819-QRS	Transistor
Q929	2SC3931-CD	Transistor
Q930	2SD1819-QRS	Transistor
Q931	2SC3931-CD	Transistor
Q932	2SA1532-CD	Transistor for AW-HB505/USA/Canada
	2SB1218-QRS	Transistor for AW-HB505/B/G
Q933-935	2SD1819-QRS	Transistor
Q936	2SC3931-CD	Transistor
Q937,938	2SD1819-QRS	Transistor
Q939	2SA1532-CD	Transistor
Q940	2SD1819-QRS	Transistor for AW-HB505/USA/Canada
	2SC3931-CD	Transistor for AW-HB505/B/G
Q941	2SC3931-CD	Transistor
Q942	2SC3931-CD	Transistor for AW-HB505/USA/Canada
	2SD1819-QRS	Transistor for AW-HB505/B/G
Q1201	2SD1819-QRS	Transistor
Q1202	2SC3931-CD	Transistor
Q1203,1204	2SD1819-QRS	Transistor
Q1205	2SC3931-CD	Transistor
Q1206,1207	2SD1819-QRS	Transistor
Q1208	2SC3931-CD	Transistor
Q1209	2SD1819-QRS	Transistor

REF. NO.	PART NO.	DESCRIPTION
Q1210	2SB1218-QRS	Transistor
Q1211	2SD1819-QRS	Transistor
Q1212	2SC3931-CD	Transistor
Q1213	2SD1819-QRS	Transistor
Q1214,1215	2SB1218-QRS	Transistor
Q1216-1218	2SD1819-QRS	Transistor
Q1219	2SB1218-QRS	Transistor
Q1220	2SC3931-CD	Transistor
Q1221,1222	2SD1819-QRS	Transistor
Q1223	2SC3931-CD	Transistor
Q1224	2SD1819-QRS	Transistor
Q1225	2SB1218-QRS	Transistor
Q1226	2SC3931-CD	Transistor
Q1227	2SA1532-CD	Transistor for AW-HB505/USA/Canada
	2SB1218-QRS	Transistor for AW-HB505/B/G
Q1228	2SD1819-QRS	Transistor
Q1229	2SC3931-CD	Transistor
Q1230	2SD1819-QRS	Transistor
Q1231	2SC3931-CD	Transistor
Q1232	2SA1532-CD	Transistor for AW-HB505/USA/Canada
	2SB1218-QRS	Transistor for AW-HB505/B/G
Q1233-1235	2SD1819-QRS	Transistor
Q1236	2SC3931-CD	Transistor
Q1237,1238	2SD1819-QRS	Transistor
Q1239	2SA1532-CD	Transistor
Q1240	2SD1819-QRS	Transistor for AW-HB505/USA/Canada
	2SC3931-CD	Transistor for AW-HB505/B/G
Q1241	2SC3931-CD	Transistor
Q1242	2SC3931-CD	Transistor AW-HB505/USA/Canada
	2SD1819-QRS	Transistor AW-HB505/B/G
D1,2	MA142K	Diode
D301,302	MA142K	Diode
D601,602	MA142K	Diode
D901,902	MA142K	Diode
D1201,1202	MA142K	Diode
R1	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R2	ERJ3GEYJ220	Carbon 22 ohms 1/16W
R3	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
R4	ERJ3RHD202	Metal 2K ohms 1/16W
R5	ERJ3RHD392	Metal 3.9K ohms 1/16W
R6	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
R8	ERJ3GEYJ752	Carbon 7.5K ohms 1/16W
R9	ERJ3GEYJ512	Carbon 5.1K ohms 1/16W
R10,11	ERJ3GEYJ362	Carbon 3.6K ohms 1/16W
R12,13	ERJ3RHD331	Metal 330 ohms 1/16W
R14	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R15	ERJ3GEYJ220	Carbon 22 ohms 1/16W
R16	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
R17	ERJ3RHD182	Metal 1.8K ohms 1/16W
R18	ERJ3RHD392	Metal 3.9K ohms 1/16W

REF. NO.	PART NO.	DESCRIPTION
R19	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
R21	ERJ3GEYJ752	Carbon 7.5K ohms 1/16W
R22	ERJ3GEYJ512	Carbon 5.1K ohms 1/16W
R23	ERJ3GEYJ562	Carbon 5.6K ohms 1/16W
R25	ERJ3GEY0R00	Carbon 0 ohm 1/16W
R26	ERJ3GEYJ103	Carbon 10K ohms 1/16W for AW-HB505/B/G
R27	ERJ3GEY0R00	Carbon 0 ohm 1/16W for AW-HB505/USA/Canada
R28	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R31,33	ERJ3GEY0R00	Carbon 0 ohm 1/16W
R35	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R36	ERJ3RHD332	Metal 3.3K ohms 1/16W
R37	ERJ3GEYJ102	Carbon 1K ohms 1/16W
R38,39	ERJ3RHD102	Metal 1K ohms 1/16W
R42	ERJ3RHD332	Metal 3.3K ohms 1/16W
R43	ERJ3GEYJ102	Carbon 1K ohms 1/16W
R46	ERJ3RHD102	Metal 1K ohms 1/16W
R47	ERJ3RHD132	Metal 1.3K ohms 1/16W
R48	ERJ3GEYJ750	Carbon 75 ohms 1/16W
R49	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R50	ERJ3RHD201	Metal 200 ohms 1/16W
R51	ERJ3CEYJ103	Carbon 10K ohms 1/16W
R52	ERJ3GEYJ220	Carbon 22 ohms 1/16W
R53	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
R54	ERJ3RHD242	Metal 2.4K ohms 1/16W
R55	ERJ3RHD392	Metal 3.9K ohms 1/16W
R56	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
R58	ERJ3GEYJ752	Carbon 7.5K ohms 1/16W
R59	ERJ3GEYJ512	Carbon 5.1K ohms 1/16W
R60	ERJ3GEYJ562	Carbon 5.6K ohms 1/16W
R61,62	ERJ3RHD331	Metal 330 ohms 1/16W
R63	ERJ3GEYJ220	Carbon 22 ohms 1/16W
R64	ERJ3GEYJ272	Carbon 2.7K ohms 1/16W
R65	ERJ3RHD201	Metal 200 ohms 1/16W
R66	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R67	ERJ3GEYJ220	Carbon 22 ohms 1/16W
R68	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
R69	ERJ3RHD332	Metal 3.3K ohms 1/16W
R70	ERJ3RHD392	Metal 3.9K ohms 1/16W
R71	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
R73	ERJ3GEYJ752	Carbon 7.5K ohms 1/16W
R74	ERJ3GEYJ512	Carbon 5.1K ohms 1/16W
R75	ERJ3GEYJ562	Carbon 5.6K ohms 1/16W
R76,77	ERJ3RHD331	Metal 330 ohms 1/16W
R78	ERJ3GEYJ220	Carbon 22 ohms 1/16W
R79	ERJ3GEYJ272	Carbon 2.7K ohms 1/16W
R81,82	ERJ3GEYF750	Carbon 75 ohms 1/16W
R83	ERJ3GEY0R00	Carbon 0 ohm 1/16W for AW-HB505/USA/Canada

REF. NO.	PART NO.	DESCRIPTION
R84	ERJ3GEYJ103	Carbon 10K ohms 1/16W
		for AW-HB505/B/G
R85	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R86	ERJ3GEYJ333	Carbon 33K ohms 1/16W
R87	ERJ3GEYJ102	Carbon 1K ohms 1/16W
R88	ERJ3GEYJ331	Carbon 330 ohms 1/16W
R89	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R90	ERJ3GEYJ681	Carbon 680 ohms 1/16W
R91	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R92	ERJ3CEYJ681	Carbon 680 ohms 1/16W
R93	ERJ3GEYJ221	Carbon 220 ohms 1/16W
R94,95	ERJ3GEYJ473	Carbon 47K ohms 1/16W
R96	ERJ3GEYJ221	Carbon 220 ohms 1/16W
R97	ERJ3GEYJ104	Carbon 100K ohms 1/16W
R98	ERJ3GEYJ152	Carbon 1.5K ohms 1/16W
R99	ERJ3GEYJ222	Carbon 2.2K ohms 1/16W
R100	ERJ3GEYJ271	Carbon 270 ohms 1/16W
R101	ERJ3GEYJ272	Carbon 2.7K ohms 1/16W
R102	ERJ3GEY0R00	Carbon 0 ohms 1/16W
R103	ERJ3GEYJ822	Carbon 8.2K ohms 1/16W
R104	ERJ3GEYJ105	Carbon 1M ohms 1/16W
R105	ERJ3GEYJ472	Carbon 4.7K ohms 1/16W
		for AW-HB505/USA/Canada
	ERJ3GEYJ102	Carbon 1K ohms 1/16W
		for AW-HB505/B/G
R106	ERJ3GEYJ511	Carbon 510 ohms 1/16W
		for AW-HB505/USA/Canada
	ERJ3GEYJ111	Carbon 110 ohms 1/16W
		for AW-HB505/B/G
R107	ERJ3GEYJ101	Carbon 100 ohms 1/16W
R108	ERJ3GEYJ472	Carbon 4.7K ohms 1/16W
R109	ERJ3GEYJ151	Carbon 150 ohms 1/16W
R110	ERJ3GEYJ681	Carbon 680 ohms 1/16W
R111	ERJ3GEYJ105	Carbon 1M ohms 1/16W
R112	ERJ3GEYJ102	Carbon 1K ohms 1/16W
R113	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R115	ERJ3GEYJ102	Carbon 1K ohms 1/16W
R116	ERJ3GEYJ822	Carbon 8.2K ohms 1/16W
R117	ERJ3GEYJ102	Carbon 1K ohms 1/16W
R118	ERJ3GEYJ682	Carbon 6.8K ohms 1/16W
R119	ERJ3GEYJ750	Carbon 75 ohms 1/16W
R120	ERJ3GEYJ154	Carbon 150K ohms 1/16W
R121	ERJ3GEYJ104	Carbon 100K ohms 1/16W
R122	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
R123	ERJ3GEYJ242	Carbon 2.4K ohms 1/16W
R124	ERJ3GEYJ222	Carbon 2.2K ohms 1/16W
R125	ERJ3GEYJ332	Carbon 3.3K ohms 1/16W
R126	ERJ3GEYJ242	Carbon 2.4K ohms 1/16W
R127	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R128	ERJ3GEYJ562	Carbon 5.6K ohms 1/16W

REF. NO.	PART NO.	DESCRIPTION
R129	ERJ3GEYJ621	Carbon 620 ohms 1/16W
R130	ERJ3GEYJ684	Carbon 680K ohms 1/16W
R131	ERJ3GEYJ562	Carbon 5.6K ohms 1/16W
R132	ERJ3GEY0R00	Carbon 0 ohm 1/16W
R133	ERJ3GEYJ273	Carbon 27K ohms 1/16W
R134	ERJ3RHD243	Metal 24K ohms 1/16W
R135	ERJ3RHD163	Metal 16K ohms 1/16W
R136	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R137	ERJ3GEYJ332	Carbon 3.3K ohms 1/16W
R138	ERJ3CEYJ681	Carbon 680 ohms 1/16W
R139	ERJ3GEYJ222	Carbon 2.2K ohms 1/16W
R140	ERJ3GEYJ223	Carbon 22K ohms 1/16W
		for AW-HB505/USA/Canada
	ERJ3RHDJ223	Metal 22K ohms 1/16W
		for AW-HB505/B/G
R141	ERJ3GEYJ183	Carbon 18K ohms 1/16W
		for AW-HB505/USA/Canada
	ERJ3RHDJ183	Metal 18K ohms 1/16W
		for AW-HB505/USA/Canada
R142	ERJ3GEYF750	Carbon 75 ohms 1/16W
R143	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
R144	ERJ3GEYJ273	Carbon 27K ohms 1/16W
R146	ERJ3CEYJ123	Carbon 12K ohms 1/16W
R147	ERJ3GEYJ822	Carbon 8.2K ohms 1/16W
R148	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R149	ERJ3GEYJ222	Carbon 2.2K ohms 1/16W
R150	ERJ3GEYJ561	Carbon 560 ohms 1/16W
R151	ERJ3GEYJ391	Carbon 390 ohms 1/16W
R152	ERJ3GEYJ561	Carbon 560 ohms 1/16W
R153	ERJ3GEYJ391	Carbon 390 ohms 1/16W
R154	ERJ3GEYJ471	Carbon 470 ohms 1/16W
R155	ERJ3GEYJ333	Carbon 33K ohms 1/16W
R156	ERJ3GEYJ561	Carbon 560 ohms 1/16W
R157	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
R158	ERJ3GEYJ183	Carbon 18K ohms 1/16W
R159	ERJ3GEYJ133	Carbon 13K ohms 1/16W
R160	ERJ3GEYJ123	Carbon 12K ohms 1/16W
R161	ERJ3GEYJ153	Carbon 15K ohms 1/16W
R162	ERJ3GEYJ242	Carbon 2.4K ohms 1/16W
R163	ERJ3RHD562	Metal 5.6K ohms 1/16W
R164	ERJ3GEY0R00	Carbon 0 ohm 1/16W
R165	ERJ3RHD112	Metal 1.1K ohms 1/16W
R166	ERJ3RHD472	Metal 4.7K ohms 1/16W
R167	ERJ3GEYJ222	Carbon 2.2K ohms 1/16W
R168	ERJ3GEYJ242	Carbon 2.4K ohms 1/16W
R169	ERJ3GEYJ243	Carbon 24K ohms 1/16W
R170	ERJ3GEYJ183	Carbon 18K ohms 1/16W
R171	ERJ3GEYJ272	Carbon 2.7K ohms 1/16W
R172	ERJ3GEYJ152	Carbon 1.5K ohms 1/16W
R173	ERJ3GEYJ272	Carbon 2.7K ohms 1/16W
		for AW-HB505/USA/Canada

REF. NO.	PART NO.	DESCRIPTION
	ERJ3RHD272	Metal 2.7K ohms 1/16W for AW-HB505/B/G
R174	ERJ3GEYJ122	Carbon 1.2K ohms 1/16W for AW-HB505/USA/Canada
	ERJ3RHD122	Metal 1.2K ohms 1/16W for AW-HB505/B/G
R175	ERJ3GEYJ152	Carbon 1.5K ohms 1/16W for AW-HB505/USA/Canada
	ERJ3RHD821	Metal 820 ohms 1/16W for AW-HB505/B/C
R176-178	ERJ3GEYJ561	Carbon 560 ohms 1/16W
R179	ERJ3GEYJ682	Carbon 6.8K ohms 1/16W
R180	ERJ3GEYJ471	Carbon 470 ohms 1/16W
R181	ERJ3GEYJ561	Carbon 560 ohms 1/16W for AW-HB505/USA/Canada
	ERJ3RHD561	Metal 560 ohms 1/16W for AW-HB505/B/G
R182	ERJ3GEYJ102	Carbon 1K ohms 1/16W for AW-HB505/USA/Canada
	ERJ3RHD102	Metal 1K ohms 1/16W for AW-HB505/B/G
R183	ERJ3GEY0R00	Carbon 0 ohm 1/16W for AW-HB505/USA/Canada
	ERJ3GEYJ560	Carbon 56 ohms 1/16W for AW-HB505B/G
R184	ERJ3GEYJ101	Carbon 100 ohms 1/16W
R185	ERJ3RHD113	Metal 11K ohms 1/16W
R186	ERJ3RHD682	Metal 6.8K ohms 1/16W
R187	ERJ3GEYJ222	Carbon 2.2K ohms 1/16W
R188	ERJ3GEYJ102	Carbon 1K ohms 1/16W
R189,190	ERJ3GEYJ222	Carbon 2.2K ohms 1/16W
R191	ERJ3GEYJ561	Carbon 560 ohms 1/16W
R193	ERJ3GEYJ154	Carbon 150K ohms 1/16W
R194	ERJ3GEYJ104	Carbon 100K ohms 1/16W
R195	ERJ3GEYJ332	Carbon 3.3K ohms 1/16W
R196	ERJ3GEYJ222	Carbon 2.2K ohms 1/16W
R197,198	ERJ3GEYJ332	Carbon 3.3K ohms 1/16W
R199	ERJ3GEYJ101	Carbon 100 ohms 1/16W
R200	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R201	ERJ3GEYJ472	Carbon 4.7K ohms 1/16W
R202,203	ERJ3GEY0R00	Carbon 0 ohm 1/16W
R211	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R212	ERJ3RHD822	Metal 8.2K ohms 1/16W
R213	ERJ3RHD433	Metal 43K ohms 1/16W
R214-216	ERJ3GEY0R00	Carbon 0 ohm 1/16W
R217-221	ERJ3GEYJ473	Carbon 47K ohms 1/16W
R222	ERJ3GEYJ750	Carbon 75 ohms 1/16W
R301	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R302	ERJ3GEYJ220	Carbon 22 ohms 1/16W

REF. NO.	PART NO.	DESCRIPTION
R303	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
R304	ERJ3RHD202	Metal 2K ohms 1/16W
R305	ERJ3RHD392	Metal 3.9K ohms 1/16W
R306	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
R308	ERJ3GEYJ752	Carbon 7.5K ohms 1/16W
R309	ERJ3GEYJ512	Carbon 5.1K ohms 1/16W
R310,311	ERJ3GEYJ362	Carbon 3.6K ohms 1/16W
R312,313	ERJ3RHD331	Metal 330 ohms 1/16W
R314	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R315	ERJ3CEYJ220	Carbon 22 ohms 1/16W
R316	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
R317	ERJ3RHD182	Metal 1.8K ohms 1/16W
R318	ERJ3RHD392	Metal 3.9K ohms 1/16W
R319	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
R321	ERJ3GEYJ752	Carbon 7.5K ohms 1/16W
R322	ERJ3GEYJ512	Carbon 5.1K ohms 1/16W
R323	ERJ3GEYJ562	Carbon 5.6K ohms 1/16W
R325	ERJ3GEY0R00	Carbon 0 ohm 1/16W
R326	ERJ3GEYJ103	Carbon 10K ohms 1/16W for AW-HB505/B/G
R327	ERJ3GEY0R00	Carbon 0 ohm 1/16W for AW-HB505/USA/Canada
R328	ERJ3CEYJ103	Carbon 10K ohms 1/16W
R331,333	ERJ3GEY0R00	Carbon 0 ohm 1/16W
R335	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R336	ERJ3RHD332	Metal 3.3K ohms 1/16W
R337	ERJ3GEYJ102	Carbon 1K ohms 1/16W
R338,339	ERJ3RHD102	Metal 1K ohms 1/16W
R342	ERJ3RHD332	Metal 3.3K ohms 1/16W
R343	ERJ3GEYJ102	Carbon 1K ohms 1/16W
R346	ERJ3RHD102	Metal 1K ohms 1/16W
R347	ERJ3RHD132	Metal 1.3K ohms 1/16W
R348	ERJ3GEYJ750	Carbon 75 ohms 1/16W
R349	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R350	ERJ3RHD201	Metal 200 ohms 1/16W
R351	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R352	ERJ3GEYJ220	Carbon 22 ohms 1/16W
R353	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
R354	ERJ3RHD242	Metal 2.4K ohms 1/16W
R355	ERJ3RHD392	Metal 3.9K ohms 1/16W
R356	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
R358	ERJ3GEYJ752	Carbon 7.5K ohms 1/16W
R359	ERJ3GEYJ512	Carbon 5.1K ohms 1/16W
R360	ERJ3GEYJ562	Carbon 5.6K ohms 1/16W
R361,362	ERJ3RHD331	Metal 330 ohms 1/16W
R363	ERJ3GEYJ220	Carbon 22 ohms 1/16W
R364	ERJ3GEYJ272	Carbon 2.7K ohms 1/16W
R365	ERJ3RHD201	Metal 200 ohms 1/16W
R366	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R367	ERJ3GEYJ220	Carbon 22 ohms 1/16W

REF. NO.	PART NO.	DESCRIPTION
R368	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
R369	ERJ3RHD332	Metal 3.3K ohms 1/16W
R370	ERJ3RHD392	Metal 3.9K ohms 1/16W
R371	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
R373	ERJ3GEYJ752	Carbon 7.5K ohms 1/16W
R374	ERJ3GEYJ512	Carbon 5.1K ohms 1/16W
R375	ERJ3GEYJ562	Carbon 5.6K ohms 1/16W
R376,377	ERJ3RHD331	Metal 330 ohms 1/16W
R378	ERJ3GEYJ220	Carbon 22 ohms 1/16W
R379	ERJ3CEYJ272	Carbon 2.7K ohms 1/16W
R381,382	ERJ3GEYF750	Carbon 75 ohms 1/16W
R383	ERJ3GEY0R00	Carbon 0 ohm 1/16W for AW-HB505/USA/Canada
R384	ERJ3GEYJ103	Carbon 10K ohms 1/16W for AW-HB505/B/G
R385	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R386	ERJ3GEYJ333	Carbon 33K ohms 1/16W
R387	ERJ3GEYJ102	Carbon 1K ohms 1/16W
R388	ERJ3GEYJ331	Carbon 330 ohms 1/16W
R389	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R390	ERJ3GEYJ681	Carbon 680 ohms 1/16W
R391	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R392	ERJ3CEYJ681	Carbon 680 ohms 1/16W
R393	ERJ3GEYJ221	Carbon 220 ohms 1/16W
R394,395	ERJ3GEYJ473	Carbon 47K ohms 1/16W
R396	ERJ3GEYJ221	Carbon 220 ohms 1/16W
R397	ERJ3GEYJ104	Carbon 100K ohms 1/16W
R398	ERJ3GEYJ152	Carbon 1.5K ohms 1/16W
R399	ERJ3GEYJ222	Carbon 2.2K ohms 1/16W
R400	ERJ3GEYJ271	Carbon 270 ohms 1/16W
R401	ERJ3GEYJ272	Carbon 2.7K ohms 1/16W
R402	ERJ3GEY0R00	Carbon 0 ohm 1/16W
R403	ERJ3GEYJ822	Carbon 8.2K ohms 1/16W
R404	ERJ3GEYJ105	Carbon 1M ohms 1/16W
R405	ERJ3GEYJ472	Carbon 4.7K ohms 1/16W for AW-HB505/USA/Canada
	ERJ3GEYJ102	Carbon 1K ohms 1/16W for AW-HB505/B/G
R406	ERJ3GEYJ511	Carbon 510 ohms 1/16W for AW-HB505/USA/Canada
	ERJ3GEYJ111	Carbon 110 ohms 1/16W for AW-HB505/B/G
R407	ERJ3GEYJ101	Carbon 100 ohms 1/16W
R408	ERJ3GEYJ472	Carbon 4.7K ohms 1/16W
R409	ERJ3GEYJ151	Carbon 150 ohms 1/16W
R410	ERJ3GEYJ681	Carbon 680 ohms 1/16W
R411	ERJ3GEYJ105	Carbon 1M ohms 1/16W
R412	ERJ3GEYJ102	Carbon 1K ohms 1/16W
R413	ERJ3GEYJ103	Carbon 10K ohms 1/16V
R415	ERJ3GEYJ102	Carbon 1K ohms 1/16W

REF. NO.	PART NO.	DESCRIPTION
R416	ERJ3GEYJ822	Carbon 8.2K ohms 1/16W
R417	ERJ3GEYJ102	Carbon 1K ohms 1/16W
R418	ERJ3GEYJ682	Carbon 6.8K ohms 1/16W
R419	ERJ3GEYJ750	Carbon 75 ohms 1/16W
R420	ERJ3GEYJ154	Carbon 150K ohms 1/16W
R421	ERJ3GEYJ104	Carbon 100K ohms 1/16W
R422	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
R423	ERJ3GEYJ242	Carbon 2.4K ohms 1/16W
R424	ERJ3GEYJ222	Carbon 2.2K ohms 1/16W
R425	ERJ3CEYJ332	Carbon 3.3K ohms 1/16W
R426	ERJ3GEYJ242	Carbon 2.4K ohms 1/16W
R427	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R428	ERJ3GEYJ562	Carbon 5.6K ohms 1/16W
R429	ERJ3GEYJ621	Carbon 620 ohms 1/16W
R430	ERJ3GEYJ684	Carbon 680K ohms 1/16W
R431	ERJ3GEYJ562	Carbon 5.6K ohms 1/16W
R432	ERJ3GEY0R00	Carbon 0 ohm 1/16W
R433	ERJ3GEYJ273	Carbon 27K ohms 1/16W
R434	ERJ3RHD243	Metal 24K ohms 1/16W
R435	ERJ3RHD163	Metal 16K ohms 1/16W
R436	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R437	ERJ3GEYJ332	Carbon 3.3K ohms 1/16W
R438	ERJ3CEYJ681	Carbon 680 ohms 1/16W
R439	ERJ3GEYJ222	Carbon 2.2K ohms 1/16W
R440	ERJ3GEYJ223	Carbon 22K ohms 1/16W for AW-HB505/USA/Canada
	ERJ3RHD223	Metal 22K ohms 1/16W for AW-HB505/B/G
R441	ERJ3GEYJ183	Carbon 18K ohms 1/16W for AW-HB505/USA/Canada
	ERJ3RHD183	Metal 18K ohms 1/16W for AW-HB505/B/G
R442	ERJ3GEYF750	Carbon 75 ohms 1/16W
R443	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
R444	ERJ3GEYJ273	Carbon 27K ohms 1/16W
R446	ERJ3GEYJ123	Carbon 12K ohms 1/16W
R447	ERJ3GEYJ822	Carbon 8.2K ohms 1/16W
R448	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R449	ERJ3GEYJ222	Carbon 2.2K ohms 1/16W
R450	ERJ3GEYJ561	Carbon 560 ohms 1/16W
R451	ERJ3GEYJ391	Carbon 390 ohms 1/16W
R452	ERJ3GEYJ561	Carbon 560 ohms 1/16W
R453	ERJ3GEYJ391	Carbon 390 ohms 1/16W
R454	ERJ3GEYJ471	Carbon 470 ohms 1/16W
R455	ERJ3GEYJ333	Carbon 33Kohms 1/16W
R456	ERJ3GEYJ561	Carbon 560 ohms 1/16W
R457	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
R458	ERJ3GEYJ183	Carbon 18K ohms 1/16W
R459	ERJ3GEYJ133	Carbon 13K ohms 1/16W
R460	ERJ3GEYJ123	Carbon 12K ohms 1/16W

REF. NO.	PART NO.	DESCRIPTION
R461	ERJ3GEYJ153	Carbon 15K ohms 1/16W
R462	ERJ3GEYJ242	Carbon 2.4K ohms 1/16W
R463	ERJ3RHD562	Metal 5.6K ohms 1/16W
R464	ERJ3GEY0R00	Carbon 0 ohm 1/16W
R465	ERJ3RHD112	Metal 1.1K ohms 1/16W
R466	ERJ3RHD472	Metal 4.7K ohms 1/16W
R467	ERJ3GEYJ222	Carbon 2.2K ohms 1/16W
R468	ERJ3GEYJ242	Carbon 2.4K ohms 1/16W
R469	ERJ3GEYJ243	Carbon 24K ohms 1/16W
R470	ERJ3CEYJ183	Carbon 18K ohms 1/16W
R471	ERJ3GEYJ272	Carbon 2.7K ohms 1/16W
R472	ERJ3GEYJ152	Carbon 1.5K ohms 1/16W
R473	ERJ3GEYJ272	Carbon 2.7K ohms 1/16W for AW-HB505/USA/Canada
	ERJ3RHD272	Metal 2.7K ohms 1/16W for AW-HB505/B/G
R474	ERJ3GEYJ122	Carbon 1.2K ohms 1/16W for AW-HB505/USA/Canada
	ERJ3RHD122	Metal 1.2K ohms 1/16W for AW-HB505/B/G
R475	ERJ3GEYJ152	Carbon 1.5K ohms 1/16W for AW-HB505/USA/Canada
	ERJ3RHD821	Metal 820 ohms 1/16W for AW-HB505/B/G
R476-478	ERJ3GEYJ561	Carbon 560 ohms 1/16W
R479	ERJ3GEYJ682	Carbon 6.8K ohms 1/16W
R480	ERJ3GEYJ471	Carbon 470 ohms 1/16W
R481	ERJ3GEYJ561	Carbon 560 ohms 1/16W for AW-HB505/USA/Canada
	ERJ3RHD561	Metal 560 ohms 1/16W for AW-HB505/B/G
R482	ERJ3GEYJ102	Carbon 1K ohms 1/16W for AW-HB505/USA/Canada
	ERJ3RHD102	Metal 1K ohms 1/16W for AW-HB505/B/G
R483	ERJ3GEY0R00	Carbon 0 ohm 1/16W for AW-HB505/USA/Canada
	ERJ3GEYJ560	Carbon 56 ohms 1/16W for AW-HB505/B/G
R484	ERJ3GEYJ101	Carbon 100 ohms 1/16W
R485	ERJ3RHD113	Metal 11K ohms 1/16W
R486	ERJ3RHD682	Metal 6.8K ohms 1/16W
R487	ERJ3GEYJ222	Carbon 2.2K ohms 1/16W
R488	ERJ3GEYJ102	Carbon 1K ohms 1/16W
R489,490	ERJ3GEYJ222	Carbon 2.2K ohms 1/16W
R491	ERJ3GEYJ561	Carbon 560 ohms 1/16W
R493	ERJ3GEYJ154	Carbon 150K ohms 1/16W
R494	ERJ3GEYJ104	Carbon 100K ohms 1/16W
R495	ERJ3GEYJ332	Carbon 3.3K ohms 1/16W
R496	ERJ3GEYJ222	Carbon 2.2K ohms 1/16W

REF. NO.	PART NO.	DESCRIPTION
R497,498	ERJ3GEYJ332	Carbon 3.3K ohms 1/16W
R499	ERJ3GEYJ101	Carbon 100 ohms 1/16W
R500	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R501	ERJ3GEYJ472	Carbon 4.7K ohms 1/16W
R502,503	ERJ3GEY0R00	Carbon 0 ohm 1/16W
R511	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R512	ERJ3RHD822	Metal 8.2K ohms 1/16W
R513	ERJ3RHD433	Metal 43K ohms 1/16W
R514-516	ERJ3GEY0R00	Carbon 0 ohm 1/16W
R601	ERJ3CEYJ103	Carbon 10K ohms 1/16W
R602	ERJ3GEYJ220	Carbon 22 ohms 1/16W
R603	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
R604	ERJ3RHD202	Metal 2K ohms 1/16W
R605	ERJ3RHD392	Metal 3.9K ohms 1/16W
R606	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
R608	ERJ3GEYJ752	Carbon 7.5K ohms 1/16W
R609	ERJ3GEYJ512	Carbon 5.1K ohms 1/16W
R610,611	ERJ3GEYJ362	Carbon 3.6K ohms 1/16W
R612,613	ERJ3RHD331	Metal 330 ohms 1/16W
R614	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R615	ERJ3GEYJ220	Carbon 22 ohms 1/16W
R616	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
R617	ERJ3RHD182	Metal 1.8K ohms 1/16W
R618	ERJ3RHD392	Metal 3.9K ohms 1/16W
R619	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
R621	ERJ3GEYJ752	Carbon 7.5K ohms 1/16W
R622	ERJ3GEYJ512	Carbon 5.1K ohms 1/16W
R623	ERJ3GEYJ562	Carbon 5.6K ohms 1/16W
R625	ERJ3GEY0R00	Carbon 0 ohm 1/16W
R626	ERJ3GEYJ103	Carbon 10K ohms 1/16W for AW-HB505/B/G
R627	ERJ3GEY0R00	Carbon 0 ohm 1/16W for AW-HB505/USA/Canada
R628	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R631,633	ERJ3GEY0R00	Carbon 0 ohm 1/16W
R635	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R636	ERJ3RHD332	Metal 3.3K ohms 1/16W
R637	ERJ3GEYJ102	Carbon 1K ohms 1/16W
R638,639	ERJ3RHD102	Metal 1K ohms 1/16W
R642	ERJ3RHD332	Metal 3.3K ohms 1/16W
R643	ERJ3GEYJ102	Carbon 1K ohms 1/16W
R646	ERJ3RHD102	Metal 1K ohms 1/16W
R647	ERJ3RHD132	Metal 1.3K ohms 1/16W
R648	ERJ3GEYJ750	Carbon 75 ohms 1/16W
R649	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R650	ERJ3RHD201	Metal 200 ohms 1/16W
R651	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R652	ERJ3GEYJ220	Carbon 22 ohms 1/16W
R653	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
R654	ERJ3RHD242	Metal 2.4K ohms 1/16W

REF. NO.	PART NO.	DESCRIPTION
R655	ERJ3RHD392	Metal 3.9K ohms 1/16W
R656	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
R658	ERJ3GEYJ752	Carbon 7.5K ohms 1/16W
R659	ERJ3GEYJ512	Carbon 5.1K ohms 1/16W
R660	ERJ3GEYJ562	Carbon 5.6K ohms 1/16W
R661,662	ERJ3RHD331	Metal 330 ohms 1/16W
R663	ERJ3GEYJ220	Carbon 22 ohms 1/16W
R664	ERJ3GEYJ272	Carbon 2.7K ohms 1/16W
R665	ERJ3RHD201	Metal 200 ohms 1/16W
R666	ERJ3CEYJ103	Carbon 10K ohms 1/16W
R667	ERJ3GEYJ220	Carbon 22 ohms 1/16W
R668	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
R669	ERJ3RHD332	Metal 3.3K ohms 1/16W
R670	ERJ3RHD392	Metal 3.9K ohms 1/16W
R671	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
R673	ERJ3GEYJ752	Carbon 7.5K ohms 1/16W
R674	ERJ3GEYJ512	Carbon 5.1K ohms 1/16W
R675	ERJ3GEYJ562	Carbon 5.6K ohms 1/16W
R676,677	ERJ3RHD331	Metal 330 ohms 1/16W
R678	ERJ3GEYJ220	Carbon 22 ohms 1/16W
R679	ERJ3GEYJ272	Carbon 2.7K ohms 1/16W
R681,682	ERJ3GEYF750	Carbon 75 ohms 1/16W
R683	ERJ3CEY0R00	Carbon 0 ohm 1/16W for AW-HB505/USA/Canada
R684	ERJ3GEYJ103	Carbon 10K ohms 1/16W for AW-HB505/B/G
R685	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R686	ERJ3GEYJ333	Carbon 33K ohms 1/16W
R687	ERJ3GEYJ102	Carbon 1K ohms 1/16W
R688	ERJ3GEYJ331	Carbon 330 ohms 1/16W
R689	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R690	ERJ3GEYJ681	Carbon 680 ohms 1/16W
R691	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R692	ERJ3GEYJ681	Carbon 680 ohms 1/16W
R693	ERJ3GEYJ221	Carbon 220 ohms 1/16W
R694,695	ERJ3GEYJ473	Carbon 47K ohms 1/16W
R696	ERJ3GEYJ221	Carbon 220 ohms 1/16W
R697	ERJ3GEYJ104	Carbon 100K ohms 1/16W
R698	ERJ3GEYJ152	Carbon 1.5K ohms 1/16W
R699	ERJ3GEYJ222	Carbon 2.2K ohms 1/16W
R700	ERJ3GEYJ271	Carbon 270 ohms 1/16W
R701	ERJ3GEYJ272	Carbon 2.7K ohms 1/16W
R702	ERJ3GEY0R00	Carbon 0 ohm 1/16W
R703	ERJ3GEYJ822V	Carbon 8.2K ohms 1/16W
R704	ERJ3GEYJ105V	Carbon 1M ohms 1/16W
R705	ERJ3GEYJ472V	Carbon 4.7K ohms 1/16W for AW-HB505/USA/Canada
	ERJ3GEYJ102V	Carbon 1K ohms 1/16W for AW-HB505/B/G

REF. NO.	PART NO.	DESCRIPTION
R706	ERJ3GEYJ511V	Carbon 510 ohms 1/16W for AW-HB505/USA/Canada
	ERJ3GEYJ111	Carbon 110 ohms 1/16W for AW-HB505/B/G
R707	ERJ3GEYJ101	Carbon 100 ohms 1/16W
R708	ERJ3GEYJ472	Carbon 4.7K ohms 1/16W
R709	ERJ3GEYJ151	Carbon 150 ohms 1/16W
R710	ERJ3GEYJ681	Carbon 680 ohms 1/16W
R711	ERJ3GEYJ105	Carbon 1M ohms 1/16W
R712	ERJ3CEYJ102	Carbon 1K ohms 1/16W
R713	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R715	ERJ3GEYJ102	Carbon 1K ohms 1/16W
R716	ERJ3GEYJ822	Carbon 8.2K ohms 1/16W
R717	ERJ3GEYJ102	Carbon 1K ohms 1/16W
R718	ERJ3GEYJ682	Carbon 6.8K ohms 1/16W
R719	ERJ3GEYJ750	Carbon 75 ohms 1/16W
R720	ERJ3GEYJ154	Carbon 150K ohms 1/16W
R721	ERJ3GEYJ104	Carbon 100K ohms 1/16W
R722	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
R723	ERJ3GEYJ242	Carbon 2.4K ohms 1/16W
R724	ERJ3GEYJ222	Carbon 2.2K ohms 1/16W
R725	ERJ3GEYJ332	Carbon 3.3K ohms 1/16W
R726	ERJ3CEYJ242	Carbon 2.4K ohms 1/16W
R727	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R728	ERJ3GEYJ562	Carbon 5.6K ohms 1/16W
R729	ERJ3GEYJ621	Carbon 620 ohms 1/16W
R730	ERJ3GEYJ684	Carbon 680K ohms 1/16W
R731	ERJ3GEYJ562	Carbon 5.6K ohms 1/16W
R732	ERJ3GEY0R00	Carbon 0 ohm 1/16W
R733	ERJ3GEYJ273	Carbon 27K ohms 1/16W
R734	ERJ3RHD243	Metal 24K ohms 1/16W
R735	ERJ3RHD163	Metal 16K ohms 1/16W
R736	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R737	ERJ3GEYJ332	Carbon 3.3K ohms 1/16W
R738	ERJ3GEYJ681	Carbon 680 ohms 1/16W
R739	ERJ3GEYJ222	Carbon 2.2K ohms 1/16W
R740	ERJ3GEYJ223	Carbon 22K ohms 1/16W for AW-HB505/USA/Canada
	ERJ3RHD223	Metal 22K ohms 1/16W for AW-HB505/B/G
R741	ERJ3GEYJ183	Carbon 18K ohms 1/16W for AW-HB505/USA/Canada
	ERJ3RHD183	Metal 18K ohms 1/16W for AW-HB505/B/G
R742	ERJ3GEYF750	Carbon 75 ohms 1/16W
R743	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
R744	ERJ3GEYJ273	Carbon 27K ohms 1/16W
R746	ERJ3GEYJ123	Carbon 12K ohms 1/16W
R747	ERJ3GEYJ822	Carbon 8.2K ohms 1/16W
R748	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R749	ERJ3GEYJ222	Carbon 2.2K ohms 1/16W

REF. NO.	PART NO.	DESCRIPTION
R750	ERJ3GEYJ561	Carbon 560 ohms 1/16W
R751	ERJ3GEYJ391	Carbon 390 ohms 1/16W
R752	ERJ3GEYJ561	Carbon 560 ohms 1/16W
R753	ERJ3GEYJ391	Carbon 390 ohms 1/16W
R754	ERJ3GEYJ471	Carbon 470 ohms 1/16W
R755	ERJ3GEYJ333	Carbon 33K ohms 1/16W
R756	ERJ3GEYJ561	Carbon 560 ohms 1/16W
R757	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
R758	ERJ3GEYJ183	Carbon 18K ohms 1/16W
R759	ERJ3CEYJ133	Carbon 13K ohms 1/16W
R760	ERJ3GEYJ123	Carbon 12K ohms 1/16W
R761	ERJ3GEYJ153	Carbon 15K ohms 1/16W
R762	ERJ3GEYJ242	Carbon 2.4K ohms 1/16W
R763	ERJ3RHD562	Metal 5.6K ohms 1/16W
R764	ERJ3GEY0R00	Carbon 0 ohm 1/16W
R765	ERJ3RHD112	Metal 1.1K ohms 1/16W
R766	ERJ3RHD472	Metal 4.7K ohms 1/16W
R767	ERJ3GEYJ222	Carbon 2.2K ohms 1/16W
R768	ERJ3GEYJ242	Carbon 2.4K ohms 1/16W
R769	ERJ3GEYJ243	Carbon 24K ohms 1/16W
R770	ERJ3GEYJ183	Carbon 18K ohms 1/16W
R771	ERJ3GEYJ272	Carbon 2.7K ohms 1/16W
R772	ERJ3CEYJ152	Carbon 1.5K ohms 1/16W
R773	ERJ3GEYJ272	Carbon 2.7K ohms 1/16W for AW-HB505/USA/Canada
	ERJ3RHD272	Metal 2.7K ohms 1/16W for AW-HB505/B/G
R774	ERJ3GEYJ122	Carbon 1.2K ohms 1/16W for AW-HB505/USA/Canada
	ERJ3RHD122	Metal 1.2K ohms 1/16W for AW-HB505/USA/Canada
R775	ERJ3GEYJ152	Carbon 1.5K ohms 1/16W for AW-HB505/USA/Canada
	ERJ3RHD821	Carbon 820 ohms 1/16W for AW-HB505/B/G
R776-778	ERJ3GEYJ561	Carbon 560 ohms 1/16W
R779	ERJ3GEYJ682	Carbon 6.8K ohms 1/16W
R780	ERJ3GEYJ471	Carbon 470 ohms 1/16W
R781	ERJ3GEYJ561	Carbon 560 ohms 1/16W for AW-HB505/USA/Canada
	ERJ3RHD561	Metal 560 ohms 1/16W for AW-HB505/USA/Canada
R782	ERJ3GEYJ102	Carbon 1K ohms 1/16W for AW-HB505/USA/Canada
	ERJ3RHD102	Carbon 1K ohms 1/16W for AW-HB505/USA/Canada
R783	ERJ3GEY0R00	Carbon 0 ohm 1/16W for AW-HB505/USA/Canada
	ERJ3GEYJ560	Carbon 56 ohms 1/16W for AW-HB505/B/G

REF. NO.	PART NO.	DESCRIPTION
R784	ERJ3GEYJ101	Carbon 100 ohms 1/16W
R785	ERJ3RHD113	Metal 11K ohms 1/16W
R786	ERJ3RHD682	Metal 6.8K ohms 1/16W
R787	ERJ3GEYJ222	Carbon 2.2K ohms 1/16W
R788	ERJ3GEYJ102	Carbon 1K ohms 1/16W
R789,790	ERJ3GEYJ222	Carbon 2.2K ohms 1/16W
R791	ERJ3GEYJ561	Carbon 560 ohms 1/16W
R811	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R812	ERJ3RHD822	Metal 8.2K ohms 1/16W
R813	ERJ3RHD433	Metal 43K ohms 1/16W
R814-816	ERJ3GEY0R00	Carbon 0 ohm 1/16W
R901	ERJ3GEYJ103	CHIP 10K ohms 1/16W
R902	ERJ3GEYJ220	CHIP 22 ohms 1/16W
R903	ERJ3GEYJ392	CHIP 3.9K ohms 1/16W
R904	ERJ3RHD202	Metal 2K ohms 1/16W
R905	ERJ3RHD392	Metal 3.9K ohms 1/16W
R906	ERJ3GEYJ392	CHIP 3.9K ohms 1/16W
R908	ERJ3GEYJ752	Carbon 7.5K ohms 1/16W
R909	ERJ3GEYJ512	Carbon 5.1K ohms 1/16W
R910,911	ERJ3GEYJ362	Carbon 3.6K ohms 1/16W
R912,913	ERJ3RHD331	Metal 330 ohms 1/16W
R914	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R915	ERJ3CEYJ220	Carbon 22 ohms 1/16W
R916	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
R917	ERJ3RHD182	Metal 1.8K ohms 1/16W
R918	ERJ3RHD392	Metal 3.9K ohms 1/16W
R919	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
R921	ERJ3GEYJ752	Carbon 7.5K ohms 1/16W
R922	ERJ3GEYJ512	Carbon 5.1K ohms 1/16W
R923	ERJ3GEYJ562	Carbon 5.6K ohms 1/16W
R925	ERJ3GEY0R00	Carbon 0 ohm 1/16W
R926	ERJ3GEYJ103	Carbon 10K ohms 1/16W for AW-HB505/B/G
R927	ERJ3GEY0R00	Carbon 0 ohm 1/16W for AW-HB505/USA/Canada
R928	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R931,933	ERJ3GEY0R00	Carbon 0 ohm 1/16W
R935	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R936	ERJ3RHD332	Metal 3.3K ohms 1/16W
R937	ERJ3GEYJ102	Carbon 1K ohms 1/16W
R938,939	ERJ3RHD102	Metal 1K ohms 1/16W
R942	ERJ3RHD332	Metal 3.3K ohms 1/16W
R943	ERJ3GEYJ102	Carbon 1K ohms 1/16W
R946	ERJ3RHD102	Metal 1K ohms 1/16W
R947	ERJ3RHD132	Metal 1.3K ohms 1/16W
R948	ERJ3GEYJ750	Carbon 75 ohms 1/16W
R949	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R950	ERJ3RHD201	Metal 200 ohms 1/16W
R951	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R952	ERJ3GEYJ220	Carbon 22 ohms 1/16W

REF. NO.	PART NO.	DESCRIPTION
R953	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
R954	ERJ3RHD242	Metal 2.4K ohms 1/16W
R955	ERJ3RHD392	Metal 3.9K ohms 1/16W
R956	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
R958	ERJ3GEYJ752	Carbon 7.5K ohms 1/16W
R959	ERJ3GEYJ512	Carbon 5.1K ohms 1/16W
R960	ERJ3GEYJ562	Carbon 5.6K ohms 1/16W
R961,962	ERJ3RHD331	Metal 330 ohms 1/16W
R963	ERJ3GEYJ220	Carbon 22 ohms 1/16W
R964	ERJ3CEYJ272	Carbon 2.7K ohms 1/16W
R965	ERJ3RHD201	Metal 200 ohms 1/16W
R966	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R967	ERJ3GEYJ220	Carbon 22 ohms 1/16W
R968	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
R969	ERJ3RHD332	Metal 3.3K ohms 1/16W
R970	ERJ3RHD392	Metal 3.9K ohms 1/16W
R971	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
R973	ERJ3GEYJ752	Carbon 7.5K ohms 1/16W
R974	ERJ3GEYJ512	Carbon 5.1K ohms 1/16W
R975	ERJ3GEYJ562	Carbon 5.6K ohms 1/16W
R976,977	ERJ3RHD331	Metal 330 ohms 1/16W
R978	ERJ3GEYJ220	Carbon 22 ohms 1/16W
R979	ERJ3CEYJ272	Carbon 2.7K ohms 1/16W
R981,982	ERJ3GEYF750	Carbon 75 ohms 1/16W
R983	ERJ3GEY0R00	Carbon 0 ohm 1/16W for AW-HB505/USA/Canada
R984	ERJ3GEYJ103	Carbon 10K ohms 1/16W for AW-HB505/B/G
R985	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R986	ERJ3GEYJ333	Carbon 33K ohms 1/16W
R987	ERJ3GEYJ102	Carbon 1K ohms 1/16W
R988	ERJ3GEYJ331	Carbon 330 ohms 1/16W
R989	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R990	ERJ3GEYJ681	Carbon 680 ohms 1/16W
R991	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R992	ERJ3GEYJ681	Carbon 680 ohms 1/16W
R993	ERJ3GEYJ221	Carbon 220 ohms 1/16W
R994,995	ERJ3GEYJ473	Carbon 47K ohms 1/16W
R996	ERJ3GEYJ221	Carbon 220 ohms 1/16W
R997	ERJ3GEYJ104	Carbon 100K ohms 1/16W
R998	ERJ3GEYJ152	Carbon 1.5K ohms 1/16W
R999	ERJ3GEYJ222	Carbon 2.2K ohms 1/16W
R1000	ERJ3GEYJ271	Carbon 270 ohms 1/16W
R1001	ERJ3GEYJ272	Carbon 2.7K ohms 1/16W
R1002	ERJ3GEY0R00	Carbon 0 ohm 1/16W
R1003	ERJ3GEYJ822	Carbon 8.2K ohms 1/16W
R1004	ERJ3GEYJ105	Carbon 1M ohms 1/16W
R1005	ERJ3GEYJ472	Carbon 4.7K ohms 1/16W for AW-HB505/USA/Canada
	ERJ3GEYJ102	Carbon 1K ohms 1/16W for AW-HB505/B/G

REF. NO.	PART NO.	DESCRIPTION
R1006	ERJ3GEYJ511	Carbon 510 ohms 1/16W for AW-HB505/USA/Canada
	ERJ3GEYJ111	Carbon 110 ohms 1/16W for AW-HB505/B/G
R1007	ERJ3GEYJ101	Carbon 100 ohms 1/16W
R1008	ERJ3GEYJ472	Carbon 4.7K ohms 1/16W
R1009	ERJ3GEYJ151	Carbon 150 ohms 1/16W
R1010	ERJ3GEYJ681	Carbon 680 ohms 1/16W
R1011	ERJ3GEYJ105	Carbon 1M ohms 1/16W
R1012	ERJ3CEYJ102	Carbon 1K ohms 1/16W
R1013	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R1015	ERJ3GEYJ102	Carbon 1K ohms 1/16W
R1016	ERJ3GEYJ822	Carbon 8.2K ohms 1/16W
R1017	ERJ3GEYJ102	Carbon 1K ohms 1/16W
R1018	ERJ3GEYJ682	Carbon 6.8K ohms 1/16W
R1019	ERJ3GEYJ750	Carbon 75 ohms 1/16W
R1020	ERJ3GEYJ154	Carbon 150K ohms 1/16W
R1021	ERJ3GEYJ104	Carbon 100K ohms 1/16W
R1022	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
R1023	ERJ3GEYJ242	Carbon 2.4K ohms 1/16W
R1024	ERJ3GEYJ222	Carbon 2.2K ohms 1/16W
R1025	ERJ3GEYJ332	Carbon 3.3K ohms 1/16W
R1026	ERJ3CEYJ242	Carbon 2.4K ohms 1/16W
R1027	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R1028	ERJ3GEYJ562	Carbon 5.6K ohms 1/16W
R1029	ERJ3GEYJ621	Carbon 620 ohms 1/16W
R1030	ERJ3GEYJ684	Carbon 680K ohms 1/16W
R1031	ERJ3GEYJ562	Carbon 5.6K ohms 1/16W
R1032	ERJ3GEY0R00	Carbon 0 ohm 1/16W
R1033	ERJ3GEYJ273	Carbon 27K ohms 1/16W
R1034	ERJ3RHD243	Metal 24K ohms 1/16W
R1035	ERJ3RHD163	Metal 16K ohms 1/16W
R1036	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R1037	ERJ3GEYJ332	Carbon 3.3K ohms 1/16W
R1038	ERJ3GEYJ681	Carbon 680 ohms 1/16W
R1039	ERJ3GEYJ222	Carbon 2.2K ohms 1/16W
R1040	ERJ3GEYJ223	Carbon 22K ohms 1/16W for AW-HB505/USA/Canada
	ERJ3RHD223	Metal 22K ohms 1/16W for AW-HB505/B/G
R1041	ERJ3GEYJ183	Carbon 18K ohms 1/16W for AW-HB505/USA/Canada
	ERJ3RHD183	Metal 18K ohms 1/16W for AW-HB505/B/G
R1042	ERJ3GEYF750	Carbon 75 ohms 1/16W
R1043	ERJ3GEYJ392	CHIP 3.9K ohms 1/16W
R1044	ERJ3GEYJ273	Carbon 27K ohms 1/16W
R1046	ERJ3GEYJ123	Carbon 12K ohms 1/16W
R1047	ERJ3GEYJ822	Carbon 8.2K ohms 1/16W

REF. NO.	PART NO.	DESCRIPTION
R1048	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R1049	ERJ3GEYJ222	Carbon 2.2K ohms 1/16W
R1050	ERJ3GEYJ561	Carbon 560 ohms 1/16W
R1051	ERJ3GEYJ391	Carbon 390 ohms 1/16W
R1052	ERJ3GEYJ561	Carbon 560 ohms 1/16W
R1053	ERJ3GEYJ391	Carbon 390 ohms 1/16W
R1054	ERJ3GEYJ471	Carbon 470 ohms 1/16W
R1055	ERJ3GEYJ333	Carbon 33K ohms 1/16W
R1056	ERJ3GEYJ561	Carbon 560 ohms 1/16W
R1057	ERJ3CEYJ392	Carbon 3.9K ohms 1/16W
R1058	ERJ3GEYJ183	Carbon 18K ohms 1/16W
R1059	ERJ3GEYJ133	Carbon 13K ohms 1/16W
R1060	ERJ3GEYJ123	Carbon 12K ohms 1/16W
R1061	ERJ3GEYJ153	Carbon 15K ohms 1/16W
R1062	ERJ3GEYJ242	Carbon 2.4K ohms 1/16W
R1063	ERJ3RHD562	Metal 5.6K ohms 1/16W
R1064	ERJ3GEY0R00	Carbon 0 ohm 1/16W
R1065	ERJ3RHD112	Metal 1.1K ohms 1/16W
R1066	ERJ3RHD472	Metal 4.7K ohms 1/16W
R1067	ERJ3GEYJ222	Carbon 2.2K ohms 1/16W
R1068	ERJ3GEYJ242	Carbon 2.4K ohms 1/16W
R1069	ERJ3GEYJ243	Carbon 24K ohms 1/16W
R1070	ERJ3CEYJ183	Carbon 18K ohms 1/16W
R1071	ERJ3GEYJ272	Carbon 2.7K ohms 1/16W
R1072	ERJ3GEYJ152	Carbon 1.5K ohms 1/16W
R1073	ERJ3GEYJ272	Carbon 2.7K ohms 1/16W for AW-HB505/USA/Canada
	ERJ3RHD272	Metal 2.7K ohms 1/16W for AW-HB505/B/G
R1074	ERJ3GEYJ122	Carbon 1.2K ohms 1/16W for AW-HB505/USA/Canada
	ERJ3RHD122	Metal 1.2K ohms 1/16W for AW-HB505/B/G
R1075	ERJ3GEYJ152	Carbon 1.5K ohms 1/16W for AW-HB505/USA/Canada
	ERJ3RHD821	Metal 820 ohms 1/16W for AW-HB505/B/G
R1076-1078	ERJ3GEYJ561	Carbon 560 ohms 1/16W
R1079	ERJ3GEYJ682	Carbon 6.8K ohms 1/16W
R1080	ERJ3GEYJ471	Carbon 470 ohms 1/16W
R1081	ERJ3GEYJ561	Carbon 560 ohms 1/16W for AW-HB505/USA/Canada
	ERJ3RHD561	Metal 560 ohms 1/16W for AW-HB505/B/G
R1082	ERJ3GEYJ102	Carbon 1K ohms 1/16W for AW-HB505/USA/Canada
	ERJ3RHD102	Metal 1K ohms 1/16W for AW-HB505/B/G
R1083	ERJ3GEY0R00	Carbon 0 ohm 1/16W for AW-HB505/USA/Canada
	ERJ3GEYJ560	Carbon 56 ohms 1/16W for AW-HB505/B/G
R1084	ERJ3GEYJ101	Carbon 100 ohms 1/16W
R1085	ERJ3RHD113	Metal 11K ohms 1/16W
R1086	ERJ3RHD682	Metal 6.8K ohms 1/16W
R1087	ERJ3GEYJ222	Carbon 2.2K ohms 1/16W
R1088	ERJ3GEYJ102	Carbon 1K ohms 1/16W
R1089,1090	ERJ3GEYJ222	Carbon 2.2K ohms 1/16W
R1091	ERJ3GEYJ561	Carbon 560 ohms 1/16W
R1111	ERJ3CEYJ103	Carbon 10K ohms 1/16W
R1112	ERJ3RHD822	Metal 8.2K ohms 1/16W
R1113	ERJ3RHD433	Metal 43K ohms 1/16W
R1114-1116	ERJ3GEY0R00	Carbon 0 ohm 1/16W
R1201	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R1202	ERJ3GEYJ220	Carbon 22 ohms 1/16W
R1203	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
R1204	ERJ3RHD202	Metal 2K ohms 1/16W
R1205	ERJ3RHD392	Metal 3.9K ohms 1/16W
R1206	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
R1208	ERJ3GEYJ752	Carbon 7.5K ohms 1/16W
R1209	ERJ3GEYJ512	Carbon 5.1K ohms 1/16W
R1210,1211	ERJ3GEYJ362	Carbon 3.6K ohms 1/16W
R1212,1213	ERJ3RHD331	Metal 330 ohms 1/16W
R1214	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R1215	ERJ3GEYJ220	Carbon 22 ohms 1/16W
R1216	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
R1217	ERJ3RHD182	Metal 1.8K ohms 1/16W
R1218	ERJ3RHD392	Metal 3.9K ohms 1/16W
R1219	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
R1221	ERJ3GEYJ752	Carbon 7.5K ohms 1/16W
R1222	ERJ3GEYJ512	Carbon 5.1K ohms 1/16W
R1223	ERJ3GEYJ562	Carbon 5.6K ohms 1/16W
R1225	ERJ3GEY0R00	Carbon 0 ohm 1/16W
R1226	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R1227	ERJ3GEY0R00	Carbon 0 ohm 1/16W for AW-HB505/USA/Canada
R1228	ERJ3GEYJ103	Carbon 10K ohms 1/16W for AW-HB505/B/G
R1231,1233	ERJ3GEY0R00	Carbon 0 ohm 1/16W
R1235	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R1236	ERJ3RHD332	Metal 3.3K ohms 1/16W
R1237	ERJ3GEYJ102	Carbon 1K ohms 1/16W
R1238,1239	ERJ3RHD102	Metal 1K ohms 1/16W
R1242	ERJ3RHD332	Metal 3.3K ohms 1/16W
R1243	ERJ3GEYJ102	Carbon 1K ohms 1/16W
R1246	ERJ3RHD102	Metal 1K ohms 1/16W
R1247	ERJ3RHD132	Metal 1.3K ohms 1/16W
R1248	ERJ3GEYJ750	Carbon 75 ohms 1/16W
R1249	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R1250	ERJ3RHD201	Metal 200 ohms 1/16W

REF. NO.	PART NO.	DESCRIPTION
R1251	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R1252	ERJ3GEYJ220	Carbon 22 ohms 1/16W
R1253	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
R1254	ERJ3RHD242	Metal 2.4K ohms 1/16W
R1255	ERJ3RHD392	Metal 3.9K ohms 1/16W
R1256	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
R1258	ERJ3GEYJ752	Carbon 7.5K ohms 1/16W
R1259	ERJ3GEYJ512	Carbon 5.1K ohms 1/16W
R1260	ERJ3GEYJ562	Carbon 5.6K ohms 1/16W
R1261,1262	ERJ3RHD331	Metal 330 ohms 1/16W
R1263	ERJ3GEYJ220	Carbon 22 ohms 1/16W
R1264	ERJ3GEYJ272	Carbon 2.7K ohms 1/16W
R1265	ERJ3RHD201	Metal 200 ohms 1/16W
R1266	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R1267	ERJ3GEYJ220	Carbon 22 ohms 1/16W
R1268	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
R1269	ERJ3RHD332	Metal 3.3K ohms 1/16W
R1270	ERJ3RHD392	Metal 3.9K ohms 1/16W
R1271	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
R1273	ERJ3GEYJ752	Carbon 7.5K ohms 1/16W
R1274	ERJ3GEYJ512	Carbon 5.1K ohms 1/16W
R1275	ERJ3GEYJ562	Carbon 5.6K ohms 1/16W
R1276,1277	ERJ3RHD331	Metal 330 ohms 1/16W
R1278	ERJ3GEYJ220	Carbon 22 ohms 1/16W
R1279	ERJ3GEYJ272	Carbon 2.7K ohms 1/16W
R1281,1282	ERJ3GEYF750	Carbon 75 ohms 1/16W
R1283	ERJ3GEY0R00	Carbon 0 ohm 1/16W for AW-HB505/USA/Canada
R1284	ERJ3GEYJ103	Carbon 10K ohms 1/16W for AW-HB505/B/G
R1285	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R1286	ERJ3GEYJ333	Carbon 33K ohms 1/16W
R1287	ERJ3GEYJ102	Carbon 1K ohms 1/16W
R1288	ERJ3GEYJ331	Carbon 330 ohms 1/16W
R1289	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R1290	ERJ3GEYJ681	Carbon 680 ohms 1/16W
R1291	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R1292	ERJ3GEYJ681	Carbon 680 ohms 1/16W
R1293	ERJ3GEYJ221	Carbon 220 ohms 1/16W
R1294,1295	ERJ3GEYJ473	Carbon 47K ohms 1/16W
R1296	ERJ3GEYJ221	Carbon 220 ohms 1/16W
R1297	ERJ3GEYJ104	Carbon 100K ohms 1/16W
R1298	ERJ3GEYJ152	Carbon 1.5K ohms 1/16W
R1299	ERJ3GEYJ222	Carbon 2.2K ohms 1/16W
R1300	ERJ3GEYJ271	Carbon 270 ohms 1/16W
R1301	ERJ3GEYJ272	Carbon 2.7K ohms 1/16W
R1302	ERJ3GEY0R00	Carbon 0 ohm 1/16W
R1303	ERJ3GEYJ822	Carbon 8.2K ohms 1/16W
R1304	ERJ3GEYJ105	Carbon 1M ohms 1/16W
R1305	ERJ3GEYJ472	Carbon 4.7K ohms 1/16W for AW-HB505/USA/Canada

REF. NO.	PART NO.	DESCRIPTION
	ERJ3GEYJ102	Carbon 1K ohms 1/16W for AW-HB505/B/G
R1306	ERJ3GEYJ511	Carbon 510 ohms 1/16W for AW-HB505/USA/Canada
	ERJ3GEYJ111	Carbon 110 ohms 1/16W for AW-HB505/B/G
R1307	ERJ3GEYJ101	Carbon 100 ohms 1/16W
R1308	ERJ3GEYJ472	Carbon 4.7K ohms 1/16W
R1309	ERJ3GEYJ151	Carbon 150 ohms 1/16W
R1310	ERJ3CEYJ681	Carbon 680 ohms 1/16W
R1311	ERJ3GEYJ105	Carbon 1M ohms 1/16W
R1312	ERJ3GEYJ102	Carbon 1K ohms 1/16W
R1313	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R1315	ERJ3GEYJ102	Carbon 1K ohms 1/16W
R1316	ERJ3GEYJ822	Carbon 8.2K ohms 1/16W
R1317	ERJ3GEYJ102	Carbon 1K ohms 1/16W
R1318	ERJ3GEYJ682	Carbon 6.8K ohms 1/16W
R1319	ERJ3GEYJ750	Carbon 75 ohms 1/16W
R1320	ERJ3GEYJ154	Carbon 150K ohms 1/16W
R1321	ERJ3GEYJ104	Carbon 100K ohms 1/16W
R1322	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
R1323	ERJ3GEYJ242	Carbon 2.4K ohms 1/16W
R1324	ERJ3CEYJ222	Carbon 2.2K ohms 1/16W
R1325	ERJ3GEYJ332	Carbon 3.3K ohms 1/16W
R1326	ERJ3GEYJ242	Carbon 2.4K ohms 1/16W
R1327	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R1328	ERJ3GEYJ562	Carbon 5.6K ohms 1/16W
R1329	ERJ3GEYJ621	Carbon 620 ohms 1/16W
R1330	ERJ3GEYJ684	Carbon 680K ohms 1/16W
R1331	ERJ3GEYJ562	Carbon 5.6K ohms 1/16W
R1332	ERJ3GEY0R00	Carbon 0 ohm 1/16W
R1333	ERJ3GEYJ273	Carbon 27K ohms 1/16W
R1334	ERJ3RHD243	Metal 24K ohms 1/16W
R1335	ERJ3RHD163	Metal 16K ohms 1/16W
R1336	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R1337	ERJ3GEYJ332	Carbon 3.3K ohms 1/16W
R1338	ERJ3GEYJ681	Carbon 680 ohms 1/16W
R1339	ERJ3GEYJ222	Carbon 2.2K ohms 1/16W
R1340	ERJ3GEYJ223	Carbon 22K ohms 1/16W for AW-HB505/USA/Canada
	ERJ3RHD223	Metal 22K ohms 1/16W for AW-HB505/B/G
R1341	ERJ3GEYJ183	Carbon 18K ohms 1/16W for AW-HB505/USA/Canada
	ERJ3RHD183	Metal 18K ohms 1/16W for AW-HB505/B/G
R1342	ERJ3GEYF750	Carbon 75 ohms 1/16W
R1343	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
R1344	ERJ3GEYJ273	Carbon 27K ohms 1/16W

REF. NO.	PART NO.	DESCRIPTION
R1346	ERJ3GEYJ123	Carbon 12K ohms 1/16W
R1347	ERJ3GEYJ822	Carbon 8.2K ohms 1/16W
R1348	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R1349	ERJ3GEYJ222	Carbon 2.2K ohms 1/16W
R1350	ERJ3GEYJ561	Carbon 560 ohms 1/16W
R1351	ERJ3GEYJ391	Carbon 390 ohms 1/16W
R1352	ERJ3GEYJ561	Carbon 560 ohms 1/16W
R1353	ERJ3GEYJ391	Carbon 390 ohms 1/16W
R1354	ERJ3GEYJ471	Carbon 470 ohms 1/16W
R1355	ERJ3CEYJ333	Carbon 33K ohms 1/16W
R1356	ERJ3GEYJ561	Carbon 560 ohms 1/16W
R1357	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
R1358	ERJ3GEYJ183	Carbon 18K ohms 1/16W
R1359	ERJ3GEYJ133	Carbon 13K ohms 1/16W
R1360	ERJ3GEYJ123	Carbon 12K ohms 1/16W
R1361	ERJ3GEYJ153	Carbon 15K ohms 1/16W
R1362	ERJ3GEYJ242	Carbon 2.4K ohms 1/16W
R1363	ERJ3RHD562	Metal 5.6K ohms 1/16W
R1364	ERJ3GEY0R00	Carbon 0 ohm 1/16W
R1365	ERJ3RHD112	Metal 1.1K ohms 1/16W
R1366	ERJ3RHD472	Metal 4.7K ohms 1/16W
R1367	ERJ3GEYJ222	Carbon 2.2K ohms 1/16W
R1368	ERJ3CEYJ242	Carbon 2.4K ohms 1/16W
R1369	ERJ3GEYJ243	Carbon 24K ohms 1/16W
R1370	ERJ3GEYJ183	Carbon 18K ohms 1/16W
R1371	ERJ3GEYJ272	Carboon 2.7K ohms 1/16W
R1372	ERJ3GEYJ152	Carbon 1.5K ohms 1/16W
R1373	ERJ3GEYJ272	Carbon 2.7K ohms 1/16W for AW-HB505/USA/Canada
	ERJ3RHD272	Metal 2.7K ohms 1/16W for AW-HB505/B/G
R1374	ERJ3GEYJ122	Carbon 1.2K ohms 1/16W for AW-HB505/USA/Canada
	ERJ3RHD122	Metal 1.2K ohms 1/16W for AW-HB505/B/G
R1375	ERJ3GEYJ152	Carbon 1.5K ohms 1/16W for AW-HB505/USA/Canada
	ERJ3RHD821	Metal 820 ohms 1/16W for AW-HB505/B/G
R1376-1378	ERJ3GEYJ561	Carbon 560 ohms 1/16W
R1379	ERJ3GEYJ682	Carbon 6.8K ohms 1/16W
R1380	ERJ3GEYJ471	Carbon 470 ohms 1/16W
R1381	ERJ3GEYJ561	Carbon 560 ohms 1/16W for AW-HB505/USA/Canada
	ERJ3RHD561	Metal 560 ohms 1/16W for AW-HB505/B/G
R1382	ERJ3GEYJ102	Carbon 1K ohms 1/16W for AW-HB505/USA/Canada
	ERJ3RHD102	Metal 1K ohms 1/16W for AW-HB505/B/G

REF. NO.	PART NO.	DESCRIPTION
R1383	ERJ3GEY0R00	Carbon 0 ohm 1/16W for AW-HB505/USA/Canada
	ERJ3GEYJ560	Carbon 0 ohms 1/16W for AW-HB505/B/G
R1384	ERJ3GEYJ101	Carbon 100 ohms 1/16W
R1385	ERJ3RHD113	Metal 11K ohms 1/16W
R1386	ERJ3RHD682	Metal 6.8K ohms 1/16W
R1387	ERJ3GEYJ222	Carbon 2.2K ohms 1/16W
R1388	ERJ3GEYJ102	Carbon 1K ohms 1/16W
R1389,1390	ERJ3GEYJ222	Carbon 2.2K ohms 1/16W
R1391	ERJ3GEYJ561	Carbon 560 ohms 1/16W
R1411	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R1412	ERJ3RHD822	Metal 8.2K ohms 1/16W
R1413	ERJ3RHD433	Metal 43K ohms 1/16W
R1414-1416	ERJ3GEY0R00	Carbon 0 ohm 1/16W
C1	YWRVS1C470M	Electrolytic 47 µF 16V
C2,4	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C6	YWRVS1C220M	Electrolytic 22 µF 16V
C8	YWRVS1C470M	Electrolytic 47 µF 16V
C9	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C12	YWRVS1C220M	Electrolytic 22 µF 16V
C13	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C14	YWRVS1C470M	Electrolytic 47 µF 16V
C15	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C16	YWRVS1C470M	Electrolytic 47 µF 16V
C17-19	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C20	YWRVS1C470M	Electrolytic 47 µF 16V
C21-26	YGM1F104Z1FT	Ceramic 0.1 µF 25V
C27	YW5CH100J5VT	Ceramic 10 pF
C28	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C29	YW5CH102J5VT	Ceramic 1000 pF
C30-33	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C35	YWRVS1C220M	Electrolytic 22 µF 16V
C36	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C37	YWRVS1C470M	Electrolytic 47 µF 16V
C38	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C39	YW5CH150J5VT	Ceramic 15 pF
C41	YWRVS1C220M	Electrolytic 22 µF 16V
C42,43	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C44	YWSK1C105KRA	Tantalum 1 µF 16V
C45	YGM1F104Z1FT	Ceramic 0.1 µF 25V
C46	YWRVS1C470M	Electrolytic 47 µF 16V
C47	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C48	YWRVJ1C221M	Electrolytic 220 µF 16V
C49	YWRVS1E100M	Electrolytic 10 µF 25V
C50	YWRVS1C470M	Electrolytic 47 µF 16V
C51	YWRVJ1C101M	Electrolytic 100 µF 16V
C52	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C53	YW5CH680J5VT	Ceramic 68 pF
C54	YW5CH470J5VT	Ceramic 47 pF

REF. NO.	PART NO.	DESCRIPTION
C55	YW5X103K5VT	Ceramic 0.01 F
C56	YW5CH102J5VT	Ceramic 1000 pF
C57	YWRVS1E4R7M	Electrolytic 4.7 µF 25V
C58	YWRVS1C470M	Electrolytic 47 µF 16V
C59	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C60	YW5X103K5VT	Ceramic 0.01 µF
C61	YWRVS1E4R7M	Electrolytic 4.7 µF 25V
C62	YW5CH221J5VT	Ceramic 220 pF
C63	YW5X152K5VT	Ceramic 1500 pF
C64	YW5X153K2VT	Ceramic 0.015 µF
C65	YWRVS1E4R7M	Electrolytic 4.7 µF 25V
C66	YW5X103K5VT	Ceramic 0.01 µF
C67	YWRVS1C470M	Electrolytic 47 µF 16V
C68-70	YW5X103K5VT	Ceramic 0.01 µF
C71	YWRVS1HR47M	Electrolytic 0.47 µF 50V
C72	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C73	YWRVS1E4R7M	Electrolytic 4.7 µF 25V
C74	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C75	YGM1C330J1HT	Ceramic 33 pF 50V for AW-HB505/USA/Canada
	YW5CH101J5VT	Ceramic 100 pF for AW-HB505/B/G
C76	YW5CH620J5VT	Ceramic 62 pF for AW-HB505/USA/Canada
	YW5CH101J5VT	Ceramic 100 pF for AW-HB505/B/G
C77	YGM1C330J1HT	Ceramic 33 pF 50V for AW-HB505/USA/Canada
	YW5CH101J5VT	Ceramic 100 pF for AW-HB505/B/G
C78	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C79,80	YW5X103K5VT	Ceramic 0.01 µF
C81,82	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C85	YWRVS1C100M	Electrolytic 10 µF 16V
C86	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C87	YWRVP1HR47M	Electrolytic 0.47 µF 50V
C88	YW5CH620J5VT	Ceramic 62 pF for AW-HB505/USA/Canada
	YGM1C330J1HT	Ceramic 33 pF 50V for AW-HB505/B/G
C89	YWRVS1C470M	Electrolytic 47 µF 16V
C90,91	YWRVS1C220M	Electrolytic 22 µF 16V
C93	YW5CH511J5VT	Ceramic 510 pF
C94,95	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C96	YW5CH471J5VT	Ceramic 470 pF
C98	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C99	YGM1C330J1HT	Ceramic 33 pF 50V
C100	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C101	YWRVJ1C101M	Electrolytic 100 µF 16V
C102	YWRVS1C220M	Electrolytic 22 µF 16V

REF. NO.	PART NO.	DESCRIPTION
C103	YWSK1C105KRA	Tantalum 1 µF 16V
C104	YWRVJ1C221M	Electrolytic 220 µF 16V
C105	YWRVS1C220M	Electrolytic 22 µF 16V
C106	YWRVS1C470M	Electrolytic 47 µF 16V for AW-HB505/USA/Canada
	YWSK31D336MRD	Tantalum 33 µF 20V for AW-HB505/B/G
C107	YWRVP1E4R7M	Electrolytic 4.7 µF 25V
C108	YWRVS1C100M	Electrolytic 10 µF 16V
C109	YCM1C330J1HT	Ceramic 33 pF 50V
C110,111	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C112	YWRVS1C100M	Electrolytic 10 µF 16V
C113	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C114	YWRVS1C100M	Electrolytic 10 µF 16V
C115	YWSK1C105KRA	Tantalum 1 µF 16V
C116	YWRVS1C100M	Electrolytic 10 µF 16V
C117	YWRVS1C470M	Electrolytic 47 µF 16V
C118	RVJ1C101M	Electrolytic 100 µF 16V
C119	YW5CH200J5VB	Ceramic 20 pF
C120	YW5CH270J5VB	Ceramic 27 pF
C121	YW5CH101J5VB	Ceramic 100 pF
C123	YW5CH040D5VB	Ceramic 4 pF
C124	YWRVS1C100M	Electrolytic 10 µF 16V
C125-127	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C128,130	YWRVS1C100M	Electrolytic 10 µF 16V
C131	YWRVS1C470M	Electrolytic 47 µF 16V
C132	YWRVS1C220M	Electrolytic 22 µF 16V
C133	YW5CH100J5VB	Ceramic 10 pF
C134	YWRVS1C220M	Electrolytic 22 µF 16V
C135	SS21C107M-F1	Tantalum 100 µF 16V for AW-HB505/USA/Canada
	YWS41C686ME	Tantalum 68 µF 16V for AW-HB505/B/G
C136	5F224Z1VB	Ceramic 0.22 µF
C137	YWRVJ1C221M	Electrolytic 220 µF
C138	YWRVS1C220M	Electrolytic 22 µF 16V
C139	YW5F224Z1VB	Ceramic 0.22 µF
C140	YWRVS1C220M	Electrolytic 22 µF 16V
C141	YWRVJ1C221M	Electrolytic 22 µF
C142	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C143	YWRVJ1C101M	Electrolytic 100 µF 16V
C144	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C145	YWRVJ1C101M	Electrolytic 100 µF 16V
C146	YWRVS1C470M	Electrolytic 47 µF 16V
C147	YWRVS1C220M	Electrolytic 22 µF 16V
C148-152	YW5F224Z1VB	Ceramic 0.22 µF
C301	YWRVS1C470M	Electrolytic 47 µF 16V
C302,304	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C306	YWRVS1C220M	Electrolytic 22 µF 16V
C308	YWRVS1C470M	Electrolytic 47 µF 16V

REF. NO.	PART NO.	DESCRIPTION
C309	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C312	YWRVS1C220M	Electrolytic 22 µF 16V
C313	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C314	YWRVS1C470M	Electrolytic 47 µF 16V
C315	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C316	YWRVS1C470M	Electrolytic 47 µF 16V
C317-319	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C320	YWRVS1C470M	Electrolytic 47 µF 16V
C321-326	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C327	YW5CH100J5VB	Ceramic 10 pF
C328	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C329	YW5CH102J5VB	Ceramic 1000 pF
C330-333	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C335	YWRVS1C220M	Electrolytic 22 µF 16V
C336	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C337	YWRVS1C470M	Electrolytic 47 µF 16V
C338	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C339	YW5CH150J5VB	Ceramic 15 pF
C341	YWRVS1C220M	Electrolytic 22 µF 16V
C342,343	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C344	YWSK1C105KRA	Tantalum 1 µF 16V
C345	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C346	YWRVS1C470M	Electrolytic 47 µF 16V
C347	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C348	YWRVJ1C221M	Electrolytic 220 µF 16V
C349	YWRVS1E100M	Electrolytic 10 µF 25V
C350	YWRVS1C470M	Electrolytic 47 µF 16V
C351	YWRVJ1C101M	Electrolytic 100 µF 16V
C352	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C353	YW5CH680J5VB	Ceramic 68 pF
C354	YW5CH470J5VB	Ceramic 47 pF
C355	YW5X103K5VB	Ceramic 0.01 µF
C356	YW5CH102J5VB	Ceramic 1000 pF
C357	YWRVS1E4R7M	Electrolytic 4.7 µF 25V
C358	YWRVS1C470M	Electrolytic 47 µF 16V
C359	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C360	YW5X103K5VB	Ceramic 0.01 µF
C361	YWRVS1E4R7M	Electrolytic 4.7 µF 25V
C362	YW5CH221J5VB	Ceramic 220 pF
C363	YW5X152K5VB	Ceramic 1500 pF
C364	YW5X153K2VB	Ceramic 0.015 µF
C365	YWRVS1E4R7M	Electrolytic 4.7 µF 25V
C366	YW5X103K5VB	Ceramic 0.01 µF
C367	YWRVS1C470M	Electrolytic 47 µF 16V
C368-370	YW5X103K5VB	Ceramic 0.01 µF
C371	YWRVS1HR47M	Electrolytic 0.47 µF 50V
C372	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C373	YWRVS1E4R7M	Electrolytic 4.7 µF 25V
C374	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C375	YGM1C330J1HT	Ceramic 33 pF 50V for AW-HB505/USA/Canada

REF. NO.	PART NO.	DESCRIPTION
	YW5CH101J5VB	Ceramic 100 pF for AW-HB505/B/G
C376	YW5CH620J5VB	Ceramic 62 pF for AW-HB505/USA/Canada
	YW5CH101J5VB	Ceramic 100 pF for AW-HB505/B/G
C377	YGM1C330J1HT	Ceramic 33 pF 50V for AW-HB505/USA/Canada
	YW5CH101J5VB	Ceramic 100 pF for AW-HB505/B/G
C378	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C379,380	YQ5X103K5VB	Ceramic 0.01 µF
C381,382	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C385	YWRVS1C100M	Electrolytic 10 µF 16V
C386	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C387	YWRVP1HR47M	Electrolytic 0.47 µF 50V
C388	YW5CH620J5VB	Ceramic 62 pF for AW-HB505/USA/Canada
	YGM1C330J1HT	Ceramic 33 pF 50V for AW-HB505/B/G
C389	YWRVS1C470M	Electrolytic 47 µF 16V
C390,391	YWRVS1C220M	Electrolytic 22 µF 16V
C393	YW5CH511J5VB	Ceramic 510 pF
C394,395	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C396	YW5CH471J5VB	Ceramic 470 pF
C398	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C399	YGM1C330J1HT	Ceramic 33 pF 50V
C400	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C401	YWRVJ1C101M	Electrolytic 100 µF 16V
C402	YWRVS1C220M	Electrolytic 22 µF 16V
C403	YWSK1C105KRA	Tantalum 1µF 16V
C404	YWRVJ1C221M	Electrolytic 220 µF 16V
C405	YWRVS1C220M	Electrolytic 22 µF 16V
C406	YWRVS1C470M	Electrolytic 47 µF 16V for AW-HB505/USA/Canada
	YWSK31D336MRD	Tantalum 33 µF 20V for AW-HB505/USA/Canada
C407	YWRVP1E4R7M	Electrolytic 4.7 µF 25V
C408	YWRVS1C100M	Electrolytic 10 µF 16V
C409	YGM1C330J1HT	Ceramic 33 pF 50V
C410,411	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C412	YWRVS1C100M	Electrolytic 10 µF 16V
C413	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C414	YWRVS1C100M	Electrolytic 10 µF 16V
C415	YWSK1C105KRA	Tantalum 1 µF16V
C416	YWRVS1C100M	Electrolytic 10 µF 16V
C417	YWRVS1C470M	Electrolytic 47 µF 16V
C418	YWRVJ1C101M	Electrolytic 100 µF 16V
C419	YW5CH200J5VB	Ceramic 20 pF

REF. NO.	PART NO.	DESCRIPTION
C420	YW5CH270J5VB	Ceramic 27 pF
C421	YW5CH101J5VB	Ceramic 100 pF
C423	YW5CH040D5VB	Ceramic 4 pF
C424	YWRVS1C100M	Electrolytic 10 µF 16V
C425-427	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C428,430	YWRVS1C100M	Electrolytic 10 µF 16V
C431	YWRVS1C470M	Electrolytic 47 µF 16V
C432	YWRVS1C220M	Electrolytic 22 µF 16V
C433	YW5CH100J5VB	Ceramic 10 pF
C434	YWRVS1C220M	Electrolytic 22 µF 16V
C435	SS21C107M-F1	Tantalum 100 µF 16V
C436	YW5F224Z1VB	Ceramic 0.22 µF
C437	YWRVJ1C221M	Electrolytic 220 µF 16V
C438	YWRVS1C220M	Electrolytic 22 µF 16V
C439	YW5F224Z1VB	Ceramic 0.22 µF
C440	YWRVS1C220M	Electrolytic 22 µF 16V
C441	YWRVJ1C221M	Electrolytic 220 µF 16V
C446	YWRVS1C470M	Electrolytic 47 µF 16V
C447	YWRVS1C220M	Electrolytic 22 µF 16V
C601	YWRVS1C470M	Electrolytic 47 µF 16V
C602,604	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C606	YWRVS1C220M	Electrolytic 22 µF 16V
C608	YWRVS1C470M	Electrolytic 47 µF 16V
C609	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C612	YWRVS1C220M	Electrolytic 22 µF 16V
C613	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C614	YWRVS1C470M	Electrolytic 47 µF 16V
C615	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C616	YWRVS1C470M	Electrolytic 47 µF 16V
C617-619	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C620	YWRVS1C470M	Electrolytic 47 µF 16V
C621-626	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C627	YW5CH100J5VB	Ceramic 10 pF
C628	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C629	YW5CH102J5VB	Ceramic 1000 pF
C630-633	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C635	YWRVS1C220M	Electrolytic 22 µF 16V
C636	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C637	YWRVS1C470M	Electrolytic 47 µF 16V
C638	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C639	YW5CH150J5VB	Ceramic 15 pF
C641	YWRVS1C220M	Electrolytic 22 µF 16V
C642,643	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C644	YWSK1C105KRA	Tantalum 1 µF 16V
C645	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C646	YWRVS1C470M	Electrolytic 47 µF 16V
C647	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C648	YWRVJ1C221M	Electrolytic 220 µF 16V
C649	YWRVS1E100M	Electrolytic 10 µF 25V
C650	YWRVS1C470M	Electrolytic 47 µF 16V

REF. NO.	PART NO.	DESCRIPTION
C651	YWRVJ1C101M	Electrolytic 100 µF 16V
C652	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C653	YW5CH680J5VB	Ceramic 68 pF
C654	YW5CH470J5VB	Ceramic 47 pF
C655	YW5X103K5VB	Ceramic 0.01 µF
C656	YW5CH102J5VB	Ceramic 1000 pF
C657	YWRVS1E4R7M	Electrolytic 4.7 µF 25V
C658	YWRVS1C470M	Electrolytic 47 µF 16V
C659	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C660	YW5X103K5VB	Ceramic 0.01 µF
C661	YWRVS1E4R7M	Electrolytic 4.7 µF 25V
C662	YW5CH221J5VB	Ceramic 220 pF
C663	YW5X152K5VB	Ceramic 1500 pF
C664	YW5X153K2VB	Ceramic 0.015 µF
C665	YWRVS1E4R7M	Electrolytic 4.7 µF 25V
C666	YW5X103K5VB	Ceramic 0.01 µF
C667	YWRVS1C470M	Electrolytic 47 µF 16V
C668-670	YW5X103K5VB	Ceramic 0.01 µF
C671	YWRVS1HR47M	Electrolytic 0.47 µF 50V
C672	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C673	YWRVS1E4R7M	Electrolytic 4.7 µF 25V
C674	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C675	YGM1C330J1HT	Ceramic 33 pF 50V for AW-HB505/USA/Canada
	YW5CH101J5VB	Ceramic 100 pF for AW-HB505/B/G
C676	YW5CH620J5VB	Ceramic 62 pF for AW-HB505/USA/Canada
	YW5CH101J5VB	Ceramic 100 pF for AW-HB505/B/G
C677	YGM1C330J1HT	Ceramic 33 pF 50V for AW-HB505/USA/Canada
	YW5CH101J5VB	Ceramic 100 pF for AW-HB505/B/G
C678	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C679,680	YW5X103K5VB	Ceramic 0.01 µF
C681,682	YGM1F104Z1FT	Ceramic 0.1 µF 25V
C685	YWRVS1C100M	Electrolytic 10 µF 16V
C686	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C687	YWRVP1HR47M	Electrolytic 0.47 µF 50V
C688	YW5CH620J5VB	Ceramic 62 pF for AW-HB505/USA/Canada
	YGM1C330J1HT	Ceramic 33 pF 50V for AW-HB505/B/G
C689	YWRVS1C470M	Electrolytic 47 µF 16V
C690,691	YWRVS1C220M	Electrolytic 22 µF 16V
C693	YW5CH511J5VB	Ceramic 510 pF
C694,695	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C696	YW5CH471J5VB	Ceramic 470 pF
C698	YGM1F104Z1ET	Ceramic 0.1 µF 25V

REF. NO.	PART NO.	DESCRIPTION
C699	YGM1C330J1HT	Ceramic 33 pF 50V
C700	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C701	YWRVJ1C101M	Electrolytic 100 µF 16V
C702	YWRVS1C220M	Electrolytic 22 µF 16V
C703	YWSK1C105KRA	Tantalum 1 µF 16V
C704	YWRVJ1C221M	Electrolytic 220 µF 16V
C705	YWRVS1C220M	Electrolytic 22 µF 16V
C706	YWRVS1C470M	Electrolytic 47 µF 16V for AW-HB505/USA/Canada
	YWSK1D336MRD	Tantalum 33 µF 20V for AW-HB505/B/G
C707	YWRVP1E4R7M	Electrolytic 4.7 µF 25V
C708	YWRVS1C100M	Electrolytic 10 µF 16V
C709	YGM1C330J1HT	Ceramic 33 pF 50V
C710,711	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C712	YWRVS1C100M	Electrolytic 10 µF 16V
C713	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C714	YWRVS1C100M	Electrolytic 10 µF 16V
C715	YWK1C105KRA	Tantalum 1 µF 16V
C716	YWRVS1C100M	Electrolytic 10UF 16V
C717	YWRVS1C470M	Electrolytic 47 µF 16V
C718	RVJ1C101M	Electrolytic 100 µF 16V
C719	YW5CH200J5VB	Ceramic 20 pF
C720	YW5CH270J5VB	Ceramic 27 pF
C721	YW5CH101J5VB	Ceramic 100 pF
C723	YW5CH040D5VB	Ceramic 4 pF
C724	YWRVS1C100M	Electrolytic 10 µF 16V
C725-727	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C728,730	YWRVS1C100M	Electrolytic 10 µF 16V
C746	YWRVS1C470M	Electrolytic 47 µF 16V
C747	YWRVS1C220M	Electrolytic 22 µF 16V
C901	YWRVS1C470M	Electrolytic 47 µF 16V
C902,904	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C906	YWRVS1C220M	Electrolytic 22 µF 16V
C908	YWRVS1C470M	Electrolytic 47 µF 16V
C909	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C912	YWRVS1C220M	Electrolytic 22 µF 16V
C913	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C914	YWRVS1C470M	Electrolytic 47 µF 16V
C915	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C916	YWRVS1C470M	Electrolytic 47 µF 16V
C917-919	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C920	YWRVS1C470M	Electrolytic 47 µF 16V
C921-926	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C927	YW5CH100J5VB	Ceramic 10 pF
C928	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C929	YW5CH102J5VB	Ceramic 1000 pF
C930-933	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C935	YWRVS1C220M	Electrolytic 22 µF 16V
C936	YGM1F104Z1ET	Ceramic 0.1 µF 25V

REF. NO.	PART NO.	DESCRIPTION
C937	YWRVS1C470M	Electrolytic 47 µF 16V
C938	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C939	YW5CH150J5VB	Ceramic 15 pF
C941	YWRVS1C220M	Electrolytic 22 µF 16V
C942,943	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C944	YWSK1C105KRA	Tantalum 1 µF 16V
C945	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C946	YWRVS1C470M	Electrolytic 47 µF 16V
C947	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C948	YWRVJ1C221M	Electrolytic 220 µF
C949	YWRVS1E100M	Electrolytic 10 µF 25V
C950	YWRVS1C470M	Electrolytic 47 µF 16V
C951	YWRVJ1C101M	Electrolytic 100 µF 16V
C952	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C953	YW5CH680J5VB	Ceramic 68 pF
C954	YW5CH470J5VB	Ceramic 47 pF
C955	YW5X103K5VB	Ceramic 0.01 µF
C956	YW5CH102J5VB	Ceramic 1000 pF
C957	YWRVS1E4R7M	Electrolytic 4.7 µF 25V
C958	YWRVS1C470M	Electrolytic 47 µF 16V
C959	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C960	YW5X103K5VB	Ceramic 0.01 µF
C961	YWRVS1E4R7M	Electrolytic 4.7 µF 25V
C962	YW5CH221J5VB	Ceramic 220 pF
C963	YW5X152K5VB	Ceramic 1500 pF
C964	YW5X153K2VB	Ceramic 0.015 µF
C965	YWRVS1E4R7M	Electrolytic 4.7 µF 25V
C966	YW5X103K5VB	Ceramic 0.01 µF
C967	YWRVS1C470M	Electrolytic 47 µF 16V
C968-970	YW5X103K5VB	Ceramic 0.01 µF
C971	YWRVS1HR47M	Electrolytic 0.47 µF 50V
C972	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C973	YWRVS1E4R7M	Electrolytic 4.7 µF 25V
C974	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C975	YGM1C330J1HT	Ceramic 33 pF 50V for AW-HB505/USA/Canada
	YW5CH101J5VT	Ceramic 100 pF for AW-HB505/B/G
C976	YW5CH620J5VB	Ceramic 62 pF for AW-HB505/USA/Canada
	YW5CH101J5VB	Ceramic 100 pF for AW-HB505/B/G
C977	YGM1C330J1HT	Ceramic 33 pF 50V for AW-HB505/USA/Canada
	YW5CH101J5VB	Ceramic 100 pF for AW-HB505/B/G
C978	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C979,980	YW5X103K5VB	Ceramic 0.01 µF
C981,982	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C985	YWRVS1C100M	Electrolytic 10 µF 16V

REF. NO.	PART NO.	DESCRIPTION
C986	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C987	YWRVP1HR47M	Electrolytic 0.47 µF 50V
C988	YW5CH620J5VB	Ceramic 62 pF for AW-HB505/USA/Canada
	YGM1C330J1HT	Ceramic 33 pF 50V for AW-HB505/B/G
C989	YWRVS1C470M	Electrolytic 47 µF 16V
C990,991	YWRVS1C220M	Electrolytic 22 µF 16V
C993	YW5CH511J5VB	Ceramic 510 pF
C994,995	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C996	YW5CH471J5VB	Ceramic 470 pF
C998	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C999	YGM1C330J1HT	Ceramic 33 pF 50V
C1000	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C1001	YWRVJ1C101M	Electrolytic 100 µF 16V
C1002	YWRVS1C220M	Electrolytic 22 µF 16V
C1007	YWRVP1E4R7M	Electrolytic 4.7 µF 25V
C1008	YWRVS1C100M	Electrolytic 10 µF 16V
C1009	YGM1C330J1HT	Ceramic 33 pF 50V
C1010,1011	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C1012	YWRVS1C100M	Electrolytic 10 µF 16V
C1013	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C1014	YWRVS1C100M	Electrolytic 10 µF 16V
C1015	YWSK1C105KRA	Tantalum 1 µF 16V
C1016	YWRVS1C100M	Electrolytic 10 µF 16V
C1017	YWRVS1C470M	Electrolytic 47 µF 16V
C1018	YWRVJ1C101M	Electrolytic 100 µF 16V
C1019	YW5CH200J5VB	Ceramic 20 pF
C1020	YW5CH270J5VB	Ceramic 27 pF
C1021	YW5CH101J5VB	Ceramic 100 pF
C1023	YW5CH040D5VB	Ceramic 4 pF
C1024	YWRVS1C100M	Electrolytic 10 µF 16V
C1025-1027	YGM1F104Z1ET	Ceramic 0.1 µF
C1028,1030	YWRVS1C100M	Electrolytic 10 µF 16V
C1046	YWRVS1C470M	Electrolytic 47 µF 16V
C1047	YWRVS1C220M	Electrolytic 22 µF 16V
C1201	YWRVS1C470M	Electrolytic 47 µF 16V
C1202,1204	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C1206	YWRVS1C220M	Electrolytic 22 µF 16V
C1208	YWRVS1C470M	Electrolytic 47 µF 16V
C1209	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C1212	YWRVS1C220M	Electrolytic 22 µF 16V
C1213	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C1214	YWRVS1C470M	Electrolytic 47 µF 16V
C1215	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C1216	YWRVS1C470M	Electrolytic 47 µF 16V
C1217-1219	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C1220	YWRVS1C470M	Electrolytic 47 µF 16V
C1221-1226	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C1227	YW5CH100J5VB	Ceramic 10 pF

REF. NO.	PART NO.	DESCRIPTION
C1228	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C1229	YW5CH102J5VB	Ceramic 1000 pF
C1230-1233	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C1235	YWRVS1C220M	Electrolytic 22 µF 16V
C1236	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C1237	YWRVS1C470M	Electrolytic 47 µF 16V
C1238	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C1239	YW5CH150J5VB	Ceramic 15 pF
C1241	YWRVS1C220M	Electrolytic 22 µF 16V
C1242,1243	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C1244	YWSK1C105KRA	Tantalum 1µF 16V
C1245	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C1246	YWRVS1C470M	Electrolytic 47 µF 16V
C1247	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C1248	YWRVJ1C221M	Electrolytic 220 µF 16V
C1249	YWRVS1E100M	Electrolytic 10 µF 25V
C1250	YWRVS1C470M	Electrolytic 47 µF 16V
C1251	YWRVJ1C101M	Electrolytic 100 µF 16V
C1252	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C1253	YW5CH680J5VB	Ceramic 68 pF
C1254	YW5CH470J5VB	Ceramic 47 pF
C1255	YW5X103K5VB	Ceramic 0.01 µF
C1256	YW5CH102J5VB	Ceramic 1000 pF
C1257	YWRVS1E4R7M	Electrolytic 4.7 µF 25V
C1258	YWRVS1C470M	Electrolytic 47 µF 16V
C1259	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C1260	YW5X103K5VB	Ceramic 0.01 µF
C1261	YWRVS1E4R7M	Electrolytic 4.7 µF 25V
C1262	YW5CH221J5VB	Ceramic 220 pF
C1263	YW5X152K5VB	Ceramic 1500 pF
C1264	YW5X153K2VB	Ceramic 0.015 µF
C1265	YWRVS1E4R7M	Electrolytic 4.7 µF 25V
C1266	YW5X103K5VB	Ceramic 0.01 µF
C1267	YWRVS1C470M	Electrolytic 47 µF 167V
C1268-1270	YW5X103K5VB	Ceramic 0.01 µF
C1271	YWRVS1HR47M	Electrolytic 0.47 µF 50V
C1272	YGM1F104Z1FT	Ceramic 0.1 µF 25V
C1273	YWRVS1E4R7M	Electrolytic 4.7 µF 25V
C1274	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C1275	YGM1C330J1HT	Ceramic 33 pF 50V for AW-HB505/USA/Canada
	5YWCH101J5VB	Ceramic 100 pF for AW-HB505/B/G
C1276	YW5CH620J5VB	Ceramic 62 pF for AW-HB505/USA/Canada
	YW5CH101J5VB	Ceramic 100 pF for AW-HB505/B/G
C1277	YGM1C330J1HT	Ceramic 33 pF 50V for AW-HB505/USA/Canada
	YW5CH101J5VB	Ceramic 100 pF for AW-HB505/B/G

REF. NO.	PART NO.	DESCRIPTION
C1278	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C1279,1280	YW5X103K5VB	Ceramic 0.01 µF
C1281,1282	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C1285	YWRVS1C100M	Electrolytic 10 µF 16V
C1286	YGM1F104Z1ET	Ceramic 0.1 mF 25V
C1287	YWRVP1HR47M	Electrolytic 0.47 µF 50V
C1288	YW5CH620J5VB	Ceramic 62 pF for AW-HB505/USA/Canada
	YGM1C330J1HT	Ceramic 33 pF 50V for AW-HB505/B/C
C1289	YWRVS1C470M	Electrolytic 47 µF 16V
C1290,1291	YWRVS1C220M	Electrolytic 22 µF 16V
C1293	YW5CH511J5VB	Ceramic 510 pF
C1294,1295	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C1296	YW5CH471J5VB	Ceramic 470 pF
C1298	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C1299	YGM1C330J1HT	Ceramic 33 pF 50V
C1300	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C1301	YWRVJ1C101M	Electrolytic 100 µF 16V
C1302	YWRVS1C220M	Electrolytic 22 µF 16V
C1303	YWSK1C105KRA	Tantalum 1 µF 16V
C1304	YWRVJ1C221M	Electrolytic 220 µF 16V
C1305	YWRVS1C220M	Electrolytic 22 µF 16V
C1306	YWRVS1C470M	Electrolytic 47 µF 16V for AW-HB505/USA/Canada
	YWSK31D336MRD	Tantalum 33 µF 20V for AW-HB505/B/G
C1307	YWRVP1E4R7M	Electrolytic 4.7 µF 25V
C1308	YWRVS1C100M	Electrolytic 10 µF 16V
C1309	YGM1C330J1HT	Ceramic 33 pF 50V
C1310,1311	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C1312	YWRVS1C100M	Electrolytic 10 µF 16V
C1313	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C1314	YWRVS1C100M	Electrolytic 10 µF 16V
C1315	YWSK1C105KRA	Tantalum 1 µF 16V
C1316	YWRVS1C100M	Electrolytic 10 µF 16V
C1317	YWRVS1C470M	Electrolytic 47 µF 16V
C1318	YWRVJ1C101M	Electrolytic 100 µF 16V
C1319	YW5CH200J5VB	Ceramic 20 pF
C1320	YW5CH270J5VB	Ceramic 27 pF
C1321	YW5CH101J5VB	Ceramic 100 pF
C1323	YW5CH040D5VB	Ceramic 4 pF
C1324	YWRVS1C100M	Electrolytic 10 µF 16V
C1325-1327	YGM1F104Z1ET	Ceramic 0.1 µF 25V
C1328,1330	YWRVS1C100M	Electrolytic 10 µF 16V
C1346	YWRVS1C470M	Electrolytic 47 µF 16V
C1347	YWRVS1C220M	Electrolytic 22 µF 16V
Y1,301	YWUM14318VCO	Crystal Oscillator 14.3 MHz for AW-HB505/USA/Canada

REF. NO.	PART NO.	DESCRIPTION
	YWUM17734VCO	Crystal Oscillator 17.7 MHz for AW-HB505/B/G
Y601,901	YWUM14318VCO	Crystal Oscillator 14.3 MHz for AW-HB505/USA/Canada
	YWUM17734VCO	Crystal Oscillator 17.7 MHz for AW-HB505/B/G
Y1201	YWUM14318VCO	Crystal Oscillator 14.3 MHz for AW-HB505/USA/Canada
	YWUM17734VCO	Crystal Oscillator 17.7 MHz for AW-HB505/B/C
FL1	YWCY4T140	Filter for AW-HB505/USA/Canada
	YWCY4T139	Filter for AW-HB505/B/G
FL2	YWCY4T138	Filter for AW-HB505/USA/Canada
	YWCY4T140	Filter for AW-HB505/B/G
FL3	YWCY4T139	Filter
FL4	CSB503F2	Filter
FL301	YWCY4T140	Filter for AW-HB505/USA/Canada
	YWCY4T139	Filter for AW-HB505/B/G
FL302	YWCY4T138	Filter for AW-HB505/USA/Canada
	YWCY4T140	Filter for AW-HB505/B/G
FL303	YWCY4T139	Filter
FL304	CSB503F2	Filter
FL601	YWCY4T140	Filter for AW-HB505/USA/Canada
	YWCY4T139	Filter for AW-HB505/B/G
FL602	YWCY4T138	Filter for AW-HB505/USA/Canada
	YWCY4T140	Filter for AW-HB505/B/G
FL603	YWCY4T139	Filter
FL604	CSB503F2	Filter
FL901	YWCY4T140	Filter for AW-HB505/USA/Canada
	YWCY4T139	Filter for AW-HB505/B/G
FL902	YWCY4T138	Filter for AW-HB505/USA/Canada
	YWCY4T140	Filter for AW-HB505/B/G
FL903	YWCY4T139	Filter
FL904	CSB503F2	Filter
FL1201	YWCY4T140	Filter for AW-HB505/USA/Canada
	YWCY4T139	Filter for AW-HB505/B/G
FL1202	YWCY4T138	Filter for AW-HB505/USA/Canada
	YWCY4T140	Filter for AW-HB505/B/G
FL1203	YWCY4T139	Filter
FL1204	CSB503F2	Filter
L1-4	YWNL32100J	Coil 10 µH
L6,7	YWNL32100J	Coil 10 µH
L8-10	YWNL32390J	Coil 39 µH
L11	YWNL32150J	Coil 15 µH
L301-304	YWNL32100J	Coil 10 µH
L306,307	YWNL32100J	Coil 10 µH
L308-310	YWNL32390J	Coil 39 µH
L311	YWNL32150J	Coil 15 µH
L601-604	YWNL32100J	Coil 10 µH
L606,607	YWNL32100J	Coil 10 µH

REF. NO.	PART NO.	DESCRIPTION
L608-610	YWNL32390J	Coil 39 µH
L611	YWNL32150J	Coil 15 µH
L901-904	YWNL32100J	Coil 10 µH
L906,907	YWNL32100J	Coil 10 µH
L908-910	YWNL32390J	Coil 39 µH
L911	YWNL32150J	Coil 15 µH
L1201-1204	YWNL32100J	Coil 10 µH
L1206,1207	YWNL32100J	Coil 10 µH
L1208-1210	YWNL32390J	Coil 39 µH
L1211	YWNL32150J	Coil 15 µH
P1	YW53261-1290	12-pin Connector
P2	YW53261-1590	15-pin Connector
P3	YW53261-1390	13-pin Connector
P4	YW53261-1490	14-pin Connector
P5	YW53261-1290	12-pin Connector
P6	YW53261-0890	8-pin Connector
P7	YW53261-0990	9-pin Connector
P8	YW53261-1090	10-pin Connector

REAR BOARD

PCB3 (RTL)	YWWHB55JKZ2A	Printed Circuit Board Assy
R3,4	ERJ6GEYJ750	Carbon 75 ohms 1/10W
R6,8	ERJ6GEYJ750	Carbon 75 ohms 1/10W
R10,12	ERJ6GEYJ750	Carbon 75 ohms 1/10W
R13-21	ERJ6GEYJ750	Carbon 75 ohms 1/10W
C1-31	YW400103XKT	Ceramic 0.01 µF
P1,2	285D9880J101	Jack
P3	YWB0146	S-BNC Connector
P4	285D9880J101	Jack
P5	YWB0146	S-BNC Connector
P6	285D9880J101	Jack
P7	YWB0146	S-BNC Connector
P8	285D9880J101	Jack
P9	YWB0146	S-BNC Connector
P10	285D9880J101	Jack

REF. NO.	PART NO.	DESCRIPTION
P11	YWB0146	S-BNC Connector
P12	YWP2283	Connector
P13-17	YWP2324B	BNC Connector
P101	YW530481410	Connector
P102	YW53048-1210	Right Angle
P103	YW53048-0810	Right Angle
P104	YW53048-0910	Right Angle
P105	YW530481010	Connector
P106	YW530481410	Connector
P107	YW530481310	3-pinConnector
P108	YW53048-0810	Right Angle
P109	YW53048-1210	Right Angle

ACCESSARY PARTS/PACKAGING PARTS

M21		YWT050803	Polyethylene Bag for Accessary
M22		YWT15X20C03	Polyethylene Bag
M23		YWV5PA0065A4	Mounting Angle
M24		YWB350-HM01	Mounting Angle
M25		YWPE26X40C05	Polyethylene Bag
M26	⚠	YW7J1A074A	Operating Instructions for AW-HB505/USA/Canada
		YW7J1A075A	Operating Instructions for AW-HB505/B/G
M27		XSB4+8FN	Binding Head Screw (x 4)
M28		YWV22XPRB99S	Service Center List for AW-HB505/USA/Canada
M29		YWV8SA0009DN	UL Safety Notice for AW-HB505/USA/Canada
M30		YWPE55X71C1	Polyethylene Bag
M31		YW0C1A008A	Packaging Ass'y
M32		YWV8FA0137A4	Packaging Label for AW-HB505/USA/Canada
		YWV8FA0140A4	Packaging Label for AW-HB505/B/G
M33		YFV8FA0070A4	Packaging Label
M34		XSB5+8FN	Binding Head Screw (x 4)

Printed in Japan
H-014 Ⓝ 12, 23